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OM protein - protein search, using sw model

Run on: November 17, 2004, 22:52:36 ; Search time 40 Seconds

(without alignments)
550.439 Million cell updates/sec

Title: US-09-884-211b-4

Perfect score: 1726
Sequence: 1 MNSTLQHGMHTSLHFMNRST.....FKELICYPGLGLDLSRRY 332

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued Patents AA: *
2: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1638.5	94.9	332	1 US-08-671-525B-8	Sequence 8, Appli
2	1638.5	94.9	332	1 US-08-672-109B-8	Sequence 8, Appli
3	1638.5	94.9	332	2 US-08-842-045-8	Sequence 8, Appli
4	1638.5	94.9	332	2 US-08-842-238-8	Sequence 8, Appli
5	1638.5	94.9	332	2 US-08-780-749A-2	Sequence 2, Appli
6	1638.5	94.9	332	3 US-08-629-335B-8	Sequence 8, Appli
7	1638.5	94.9	332	3 US-08-870-511-2	Sequence 2, Appli
8	1638.5	94.9	332	4 US-09-384-302A-9	Sequence 9, Appli
9	1632.5	94.6	332	2 US-08-662-560-2	Sequence 2, Appli
10	1632.5	94.6	332	2 US-08-780-749A-6	Sequence 6, Appli
11	1632.5	94.6	332	3 US-08-870-511-6	Sequence 6, Appli
12	1632.5	94.3	332	3 US-08-870-511-8	Sequence 8, Appli
13	1626.5	94.2	332	3 US-08-870-511-10	Sequence 10, Appli
14	1626.5	94.1	332	3 US-08-870-511-12	Sequence 12, Appli
15	1624.5	94.1	332	4 US-09-831-206-2	Sequence 2, Appli
16	1615.5	93.6	332	4 US-09-384-302A-6	Sequence 6, Appli
17	1592.5	92.3	332	3 US-08-706-281A-16	Sequence 16, Appli
18	1592.5	92.3	332	3 US-09-097-231-16	Sequence 16, Appli
19	1592.5	92.3	332	4 US-09-353-099-16	Sequence 16, Appli
20	1405	81.4	293	4 US-09-384-302A-8	Sequence 8, Appli
21	1026.5	59.5	325	3 US-08-706-281A-18	Sequence 18, Appli
22	1026.5	59.5	325	3 US-09-097-231-18	Sequence 18, Appli
23	1026.5	59.5	325	4 US-09-353-099-18	Sequence 18, Appli
24	1025.5	59.4	325	4 US-08-831-228-2	Sequence 2, Appli
25	1023.5	59.3	325	1 US-08-671-525B-10	Sequence 10, Appli
26	1023.5	59.3	325	1 US-08-672-109B-10	Sequence 10, Appli
27	1023.5	59.3	325	2 US-08-842-045-10	Sequence 10, Appli

28	1023.5	59.3	325	2 US-08-842-238-10	Sequence 10, Appli
29	1023.5	59.3	325	3 US-08-629-335B-10	Sequence 10, Appli
30	1003.5	58.1	325	3 US-08-387-805-16	Sequence 16, Appli
31	994	57.6	323	4 US-09-709-066-2	Sequence 2, Appli
32	981.5	56.9	360	1 US-08-671-525B-6	Sequence 6, Appli
33	981.5	56.9	360	1 US-08-672-109B-6	Sequence 6, Appli
34	981.5	56.9	360	2 US-08-842-045-6	Sequence 6, Appli
35	981.5	56.9	360	2 US-08-842-238-6	Sequence 6, Appli
36	981.5	56.9	360	2 US-08-780-749A-1	Sequence 1, Appli
37	981.5	56.9	360	2 US-08-629-335B-6	Sequence 6, Appli
38	981.5	56.9	360	3 US-08-870-511-1	Sequence 1, Appli
39	981.5	56.9	360	4 US-09-709-066-4	Sequence 4, Appli
40	965	55.9	323	2 US-08-044-812A-4	Sequence 4, Appli
41	965	55.9	323	2 US-08-475-637-4	Sequence 4, Appli
42	965	55.9	323	3 US-09-191-359-4	Sequence 4, Appli
43	961	55.7	323	3 US-08-706-281A-12	Sequence 12, Appli
44	961	55.7	323	3 US-09-097-231-12	Sequence 12, Appli
45	961	55.7	323	4 US-09-353-099-12	Sequence 12, Appli

ALIGNMENTS

```
RESULT 1
US-08-671-525B-8
; Sequence 8, Application US/08671525B
; Patent No. 5703220
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Harries, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/671,525B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810) 641-1600
; TELEFAX: (810) 641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-671-525B-8
Query Match 94.9%; Score 1638.5; DB 1; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
Oy 1 MNSTLQHGMHTSLHFMNRSTYGOHGNATSEISGKGYPDGCGYEOULFVSPVFTLGVSTL 60
Db 2 VNSTLHGMHTSLHFMNRSSRYLHNSAESLIGKYSNCGCGYEOULFVSPVFTLGVSTL 60
Oy 61 ENILIVIAIKNNKHLSPMYFFICSLAVADMLVSVNSGSEFTIVITLINSITDQAOSTVN 120
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Db 61 ENILVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITIIITLNSTDTDAQSFVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180
QY 181 GILFIITSDSTAVIICITIMEFTMLAMASLYVHMFIMARLHKRIAVLPGTGIRGAN 240
Db 181 GILFIITSDSVAVITICITIMEFTMLAMASLYVHMFIMARLHKRIAVLPGTGIRGAN 240
QY 241 MKGATITLILGVVVCMAFPFLHLFIYISCPQNPYCVCFMSHFNLVILIMCNSIIDPL 300
Db 241 MKGATITLILGVVVCMAFPFLHLFIYISCPQNPYCVCFMSHFNLVILIMCNSIIDPL 300
QY 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332
Db 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332

RESULT 2
US-08-672-109B-8
; Sequence 8, Application US/08672109B
; Patent No. 5710265
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/672.109B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Dean F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-672-109B-8

Query Match 94.9%; Score 1638.5; DB 1; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSTLQHGHTSLHFNRRSTYGOHGNATSLGKGYPDGCYEQOLFVSPVFTLGVISL 60
Db 2 VNST-HRGMHTSLHFNRRSYRLHNSVSLGKGYSGGCYEQOLFVSPVFTLGVISL 60
QY 61 ENILVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITIIITLNSTDTDAQSFVN 120
Db 61 ENILVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITIIITLNSTDTDAQSFVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180

Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180
QY 181 GILFIITSDSTAVIICITIMEFTMLAMASLYVHMFIMARLHKRIAVLPGTGIRGAN 240
Db 181 GILFIITSDSVAVITICITIMEFTMLAMASLYVHMFIMARLHKRIAVLPGTGIRGAN 240
QY 241 MKGATITLILGVVVCMAFPFLHLFIYISCPQNPYCVCFMSHFNLVILIMCNSIIDPL 300
Db 241 MKGATITLILGVVVCMAFPFLHLFIYISCPQNPYCVCFMSHFNLVILIMCNSIIDPL 300
QY 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332
Db 301 IYALRSQELRKTFKEIICYPPLGGLCDLSRY 332

RESULT 3
US-08-842-045-8
; Sequence 8, Application US/08842045
; Patent No. 5817787
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842.045
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Dean F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-045-8

Query Match 94.9%; Score 1638.5; DB 2; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSTLQHGHTSLHFNRRSTYGOHGNATSLGKGYPDGCYEQOLFVSPVFTLGVISL 60
Db 2 VNST-HRGMHTSLHFNRRSYRLHNSVSLGKGYSGGCYEQOLFVSPVFTLGVISL 60
QY 61 ENILVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITIIITLNSTDTDAQSFVN 120
Db 61 ENILVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITIIITLNSTDTDAQSFVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASICSLIAVDRYFTIFYALQYHNIMTVRGVGIISCIWACTVS 180
QY 181 GILFIITSDSTAVIICITIMEFTMLAMASLYVHMFIMARLHKRIAVLPGTGIRGAN 240
Db 181 GILFIITSDSVAVITICITIMEFTMLAMASLYVHMFIMARLHKRIAVLPGTGIRGAN 240

[illegible]

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1  RESULT 4
2  US-08-842-238-8
3  Sequence 8, Application US/08842238
4  Patent No. 5869257
5  GENERAL INFORMATION:
6  APPLICANT: Yamada, Tadatsuka
7  APPLICANT: Gantz, Ira
8  TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
9  NUMBER OF SEQUENCES: 23
10 CORRESPONDENCE ADDRESS:
11 ADDRESSEE: Harnes, Dickey & Pierce, P.L.C.
12 STREET: P.O. Box 828
13 CITY: Bloomfield Hills
14 STATE: MI
15 COUNTRY: US
16 ZIP: 48303
17 COMPUTER READABLE FORM:
18 MEDIUM TYPE: Floppy disk
19 COMPUTER: IBM PC compatible
20 OPERATING SYSTEM: PC-DOS/MS-DOS
21 SOFTWARE: PatentIn Release #1.0, Version #1.25
22 CURRENT APPLICATION DATA:
23 APPLICATION NUMBER: US/08/842,238
24 FILING DATE:
25 CLASSIFICATION: 435
26 ATTORNEY/AGENT INFORMATION:
27 NAME: Smith, Deann F.
28 REGISTRATION NUMBER: 36683
29 REFERENCE/DOCKET NUMBER: 2115-000853DVD
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE: (810)641-1600
32 TELEFAX: (810)641-0270
33 INFORMATION FOR SEQ ID NO: 8:
34 SEQUENCE CHARACTERISTICS:
35 LENGTH: 332 amino acids
36 TYPE: amino acid
37 TOPOLOGY: linear
38 MOLECULE TYPE: protein
39 US-08-842-238-8

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	Query Match	94.9%	Score 1638.5	DB 2	length 332
	Best Local Similarity	95.5%	Pred. No. 1.5e-125		
	Matches 317	Conservative	6	Mismatches 8	Indels 1
				Gaps	1
QY	1	MNSTLQGHMTSLHFWNRSTYGOHGNATSLGKGYPDGCGYEOLVFSDEPVLTGLVISLL	60		
Db	2	VNST-HRGMTSLHLNRRSYRLHNSASESLGKGYSDGCGYEQLFVSDPEVLTGLVISLL	60		
QY	61	ENILVYVAIAKKNLHSPMYFFICSLAVADMLVSNSEETVITLLNSTDTDAQSPFVN	120		
Db	61	ENILVYVAIAKKNLHSPMYFFICSLAVADMLVSNSEETVITLLNSTDTDAQSPFVN	120		
QY	121	IDNVDSVYICSSLASICSLSIAVDREYETIFYALQYHNIMTVRVRVGIISCIYMACTVS	180		
Db	121	IDNVDSVYICSSLASICSLSIAVDREYETIFYALQYHNIMTVRVRVGIISCIYMACTVS	180		
QY	181	GILFIYSDSTAVYIICLTITMFEFTMLAMASLYVHFMFLARLHKRIAYLPGRGIRQGAN	240		
Db	181	GILFIYSDSSAVYIICLTITMFEFTMLAMASLYVHFMFLARLHKRIAYLPGRGIRQGAN	240		
QY	241	MKGATLTLLILGVVCPWAPFLHLIFITISGQNRQYCYCFNSHFMLYLLIMCNSITDPL	300		

Db 241 MKAILVLTLLIGFVVCNAPFFLHLIPITISCPQNPVCYCFWSHNNVLILMGNISIDPL 300

Qy 301 IYALRSQELRKTKEILICCPYLGSCDLSRY 332
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Ddb 301 IYALRSQELRKTKEILICCPYLGSCDLSRY 332

RESULT 5
 US-08-780-749A-2
 : Sequence 2, Application US/08780749A
 : Patent No. 5932779
 :
 : GENERAL INFORMATION:
 : APPLICANT: Lee, Frank
 : APPLICANT: Huzar, Dennis
 : APPLICANT: Gu, Wei
 : TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
 : TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
 : NUMBER OF SEQUENCES: 10
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Pennie & Edmonds LLP
 : STREET: 1155 Avenue of the Americas
 : CITY: New York
 : STATE: New York
 :
 : COUNTRY: USA
 : ZIP: 10036/2711
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Diskette
 : COMPUTER: IBM Compatible
 : OPERATING SYSTEM: DOS
 : SOFTWARE: FASTSEQ version 2.0
 :
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/780,749A
 : FILING DATE: 08-JAN-1997
 : CLASSIFICATION: 800
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Laura A. Coruzzi
 : REGISTRATION NUMBER: 30,742
 : REFERENCE/DOCKET NUMBER: 7853-064
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (212) 790-9090
 : TELEFAX: (212) 869-8864/9741
 : TELEX: 66141 PENNIE
 :
 : INFORMATION FOR SEQ ID NO: 2:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 332 amino acids
 : TYPE: amino acid
 : STRANDEDNESS:
 : TOPOLOGY: unknown
 : MOLECULE TYPE: peptide
 :
 : US-08-780-749A-2

	Query Match	Similarity	Score	1638.5%	DB 2	Length	332	
	Best Local	Similarity	95.5%	Pred. No. 1.5e-125				
	Matches	317	Conservative	6	Mismatches	8	Indels	1
							Gaps	1
Qy	1	MNSTLQGHMTSLFMNRSITYGQGNATSTESIGKYPDGGCYEOLFVSPBEVFTLGVISLL	60					
Db	2	VNST-HRGWMTSLHLMNRRSYRLSHSNASESIGKGYSDGGCYEQLFVSPBEVFTLGVISLL	60					
Qy	61	ENILVIYALAKKKRLHSPMYFFICTSLAVADMLSVSNGSEITVITLLNSTDTDAQSPFVN	120					
Db	61	ENILVIYALAKKKRLHSPMYFFICTSLAVADMLSVSNGSEITVITLLNSTDTDAQSPFVN	120					
Qy	121	IDNYIDSVYCSGLSLASICSLSLIAVDRYFTFYALQYHNIMTVARVGIIISCIAACTVS	180					
Db	121	IDNYIDSVYCSGLSLASICSLSLIAVDRYFTFYALQYHNIMTVARVGIIISCIAACTVS	180					
Qy	181	GILPFIYSDSTAVIICITIMEFTMALMASLYVHFMFLMARLHKRIAVLPQTGITROGAN	240					
Db	181	GILPFIYSDSAVITCITIMEFTMALMASLYVHFMFLMARLHKRIAVLPQTGAIROGAN	240					
Qy	241	MKGAITITLILGVVVCMAPEFLILFYISCPQNPYCVCFMPSHNNLVLILIMCNSIIDPL	300					

Db 241 MKGATITLILIGVFWCMAPEFLHLIFYISCPQNPVCVCFMSHFNULYLLIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332
Db 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332

RESULT 6
US-08-629-335B-8
Sequence 8, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harnes, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-8

Query Match 94.9%; Score 1638.5; DB 3; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSTLQGMHTSLHFMNRSTYGGHGNATSLGKGYDGGCYEQLFVSPVFTLGVISLL 60
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSASRLSGKGYDGGCYEQLFVSPVFTLGVISLL 60
QY 61 ENILVVAIAKNKXLSHPMVFPCSLAVADMVSVNGSEETVITLNSDTPDAOSTVN 120
Db 61 ENILVVAIAKNKXLSHPMVFPCSLAVADMVSVNGSEETVITLNSDTPDAOSTVN 120
QY 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GIIFITYSSTAVIICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
Db 181 GIIFITYSSTAVIICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
QY 241 MKGATITLILIGVFWCMAPEFLHLIFYISCPQNPVCVCFMSHFNULYLLIMCNSIIDPL 300
Db 241 MKGATITLILIGVFWCMAPEFLHLIFYISCPQNPVCVCFMSHFNULYLLIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332

Db 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332

RESULT 7
US-08-870-511-2
Sequence 2, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-2

Query Match 94.9%; Score 1638.5; DB 3; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;
QY 1 MNSTLQGMHTSLHFMNRSTYGGHGNATSLGKGYDGGCYEQLFVSPVFTLGVISLL 60
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSASRLSGKGYDGGCYEQLFVSPVFTLGVISLL 60
QY 61 ENILVVAIAKNKXLSHPMVFPCSLAVADMVSVNGSEETVITLNSDTPDAOSTVN 120
Db 61 ENILVVAIAKNKXLSHPMVFPCSLAVADMVSVNGSEETVITLNSDTPDAOSTVN 120
QY 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
Db 121 IDNVDSVICSLSLASCISLSIAVDRYFTIFALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GIIFITYSSTAVIICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
Db 181 GIIFITYSSTAVIICLITMFTMLAMASLYVHFMARLHKRIAVLPGTGIRQGAN 240
QY 241 MKGATITLILIGVFWCMAPEFLHLIFYISCPQNPVCVCFMSHFNULYLLIMCNSIIDPL 300
Db 241 MKGATITLILIGVFWCMAPEFLHLIFYISCPQNPVCVCFMSHFNULYLLIMCNSIIDPL 300
QY 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332
Db 301 IYALRSQELRKTKEIICCPYPLGGLCDLSSRY 332
RESULT 8
US-09-384-302A-9
Sequence 9, Application US/09384302A
Patent No. 6451543
GENERAL INFORMATION:
APPLICANT: Kochendoerfer, Gerd G
APPLICANT: Hunter, Christie L.
APPLICANT: Kent, Stephen B.H.
APPLICANT: Botli, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: grfn-028/02NO
CURRENT APPLICATION NUMBER: US/09/384,302A
CURRENT FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 332
TYPE: PR
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-9

Query Match 94.9%; Score 1638.5; DB 4; Length 332;
Best Local Similarity 95.5%; Pred. No. 1.5e-125;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLTFNNRSTYGGHGNATBSLKGKYPGGCYEQLFVSPVFTLGVISL 60
D 2 VNST-HRGHMTSLHLMNRSSYRLHNSNASESLGKGYSGGCYEQLFVSPVFTLGVISL 60
QY 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
D 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
QY 121 IDNVDSVICSLSLASCISLSTIADVRYFTIFVALQYHNIMTVRGGIISCIWAACVTS 180
D 121 IDNVDSVICSLSLASCISLSTIADVRYFTIFVALQYHNIMTVRGGIISCIWAACVTS 180
QY 181 GILFIYSDSTAVIICITIMFTMLAMASLYVHFMARLHKRIAVLPGTGTIRGGAN 240
D 181 GILFIYSDSTAVIICITIMFTMLAMASLYVHFMARLHKRIAVLPGTGTIRGGAN 240
QY 241 MKGAILTITLIGVAVVCMAPFPLHLFIYISCPONPCVCEMSHNLVILIMCNSIIDPL 300
D 241 MKGAILTITLIGVAVVCMAPFPLHLFIYISCPONPCVCEMSHNLVILIMCNSIIDPL 300
QY 301 IVALRSGELKRTFKEIICYPPLGGLCDLSRY 332
D 301 IVALRSGELKRTFKEIICYPPLGGLCDLSRY 332

RESULT 9

US-08-662-560-2
Sequence 2, Application US/08662560
Patent No. 5908609
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/662,560
FILING DATE: 10-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-060
TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-662-560-2

Query Match 94.6%; Score 1632.5; DB 2; Length 332;
Best Local Similarity 95.2%; Pred. No. 4.6e-125;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLTFNNRSTYGGHGNATBSLKGKYPGGCYEQLFVSPVFTLGVISL 60
D 2 VNST-HRGHMTSLHLMNRSSYRLHNSNASESLGKGYSGGCYEQLFVSPVFTLGVISL 60
QY 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
D 61 ENLIVIAIAKNNKLSHMPYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSTVN 120
QY 121 IDNVDSVICSLSLASCISLSTIADVRYFTIFVALQYHNIMTVRGGIISCIWAACVTS 180
D 121 IDNVDSVICSLSLASCISLSTIADVRYFTIFVALQYHNIMTVRGGIISCIWAACVTS 180
QY 181 GILFIYSDSTAVIICITIMFTMLAMASLYVHFMARLHKRIAVLPGTGTIRGGAN 240
D 181 GILFIYSDSTAVIICITIMFTMLAMASLYVHFMARLHKRIAVLPGTGTIRGGAN 240
QY 241 MKGAILTITLIGVAVVCMAPFPLHLFIYISCPONPCVCEMSHNLVILIMCNSIIDPL 300
D 241 MKGAILTITLIGVAVVCMAPFPLHLFIYISCPONPCVCEMSHNLVILIMCNSIIDPL 300
QY 301 IVALRSGELKRTFKEIICYPPLGGLCDLSRY 332
D 301 IVALRSGELKRTFKEIICYPPLGGLCDLSRY 332

RESULT 10

US-08-780-749A-6
Sequence 6, Application US/08780749A
Patent No. 5932779
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huzar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/780,749A
FILING DATE: 08-JAN-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Laura A. Coruzzi
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-064

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNTE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-780-749A-6

Query Match
Best Local Similarity 94.6%; Score 1632.5; DB 2; Length 332;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFNRRSTYGGHGNATSLGKGYPDGCGYEQLFVSPFVTLGVISLL 60
DB 2 VNST-HRGMHTSLHFNRRSYRLHNSNASESLGKGYDGGCYEQLFVSPFVTLGVISLL 60

QY 61 ENILVIVAIKKNKULHSPMYFFICSLAVADMVSVNSGSETIVITLNSTDTDAQSFTVN 120
DB 61 ENILVIVAIKKNKULHSPMYFFICSLAVADMVSVNSGSETIVITLNSTDTDAQSFTVN 120

QY 121 IDNVDSVICSSLASICSLSIANDRYFTIFVALQYHNIMTVKRGVISCIMAACTVS 180
DB 121 IDNVDSVICSSLASICSLSIANDRYFTIFVALQYHNIMTVKRGVISCIMAACTVS 180

QY 181 GILFIYSDSTAVIICITMFFMTALMASLYVHMFMARLHKRIAVLPGTGAIROGAN 240
DB 181 GILFIYSDSSAVIICITMFFMTALMASLYVHMFMARLHKRIAVLPGTGAIROGAN 240

QY 241 MKGAILTTLILIGVFWVCWAPFPLHLIFYISCPONPYCVCFMSHFNLYLILMCSNIIDPL 300
DB 241 MKGAILTTLILIGVFWVCWAPFPLHLIFYISCPONPYCVCFMSHFNLYLILMCSNIIDPL 300

QY 301 IYALRSQELRKTPEIKICYPGLGCDLSRY 332
DB 301 IYALRSQELRKTPEIKICYPGLGCDLSRY 332

RESULT 11
US-08-870-511-6
Sequence 6, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870, 511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-6

Query Match
Best Local Similarity 94.6%; Score 1632.5; DB 3; Length 332;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFNRRSTYGGHGNATSLGKGYPDGCGYEQLFVSPFVTLGVISLL 60
DB 2 VNST-HRGMHTSLHFNRRSYRLHNSNASESLGKGYDGGCYEQLFVSPFVTLGVISLL 60

QY 61 ENILVIVAIKKNKULHSPMYFFICSLAVADMVSVNSGSETIVITLNSTDTDAQSFTVN 120

DB 61 ENILVIVAIKKNKULHSPMYFFICSLAVADMVSVNSGSETIVITLNSTDTDAQSFTVN 120
QY 121 IDNVDSVICSSLASICSLSIANDRYFTIFVALQYHNIMTVKRGVISCIMAACTVS 180
DB 121 IDNVDSVICSSLASICSLSIANDRYFTIFVALQYHNIMTVKRGVISCIMAACTVS 180

QY 181 GILFIYSDSTAVIICITMFFMTALMASLYVHMFMARLHKRIAVLPGTGAIROGAN 240
DB 181 GILFIYSDSSAVIICITMFFMTALMASLYVHMFMARLHKRIAVLPGTGAIROGAN 240

QY 241 MKGAILTTLILIGVFWVCWAPFPLHLIFYISCPONPYCVCFMSHFNLYLILMCSNIIDPL 300
DB 241 MKGAILTTLILIGVFWVCWAPFPLHLIFYISCPONPYCVCFMSHFNLYLILMCSNIIDPL 300

QY 301 IYALRSQELRKTPEIKICYPGLGCDLSRY 332
DB 301 IYALRSQELRKTPEIKICYPGLGCDLSRY 332

RESULT 12
US-08-870-511-8
Sequence 8, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870, 511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 8
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-8

Query Match
Best Local Similarity 94.3%; Score 1627.5; DB 3; Length 332;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFNRRSTYGGHGNATSLGKGYPDGCGYEQLFVSPFVTLGVISLL 60
DB 2 VNST-HRGMHTSLHFNRRSYRLHNSNASESLGKGYDGGCYEQLFVSPFVTLGVISLL 60

QY 61 ENILVIVAIKKNKULHSPMYFFICSLAVADMVSVNSGSETIVITLNSTDTDAQSFTVN 120
DB 61 ENILVIVAIKKNKULHSPMYFFICSLAVADMVSVNSGSETIVITLNSTDTDAQSFTVN 120

QY 121 IDNVDSVICSSLASICSLSIANDRYFTIFVALQYHNIMTVKRGVISCIMAACTVS 180
DB 121 IDNVDSVICSSLASICSLSIANDRYFTIFVALQYHNIMTVKRGVISCIMAACTVS 180

QY 181 GILFIYSDSTAVIICITMFFMTALMASLYVHMFMARLHKRIAVLPGTGAIROGAN 240
DB 181 GILFIYSDSSAVIICITMFFMTALMASLYVHMFMARLHKRIAVLPGTGAIROGAN 240

QY 241 MKGAILTTLILIGVFWVCWAPFPLHLIFYISCPONPYCVCFMSHFNLYLILMCSNIIDPL 300
DB 241 MKGAILTTLILIGVFWVCWAPFPLHLIFYISCPONPYCVCFMSHFNLYLILMCSNIIDPL 300

QY 301 IYALRSQELRKTPEIKICYPGLGCDLSRY 332
DB 301 IYALRSQELRKTPEIKICYPGLGCDLSRY 332

RESULT 13
US-08-870-511-10
Sequence 10, Application US/08870511
Patent No. 6287763

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; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870, 511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-10

Query Match      94.2%; Score 1626.5; DB 3; Length 332;
Best Local Similarity 94.9%; Pred. No. 1.4e-124;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFMRSTYGGHGNATBSLGKGYDPGCGYEQLFVSPEVFTLVGISL 60
DB 2 VNST-HRGMHTSLHMRSSYRLHNSNASESLGKGYSDGCGYEQLFVSPEVFTLVGISL 60

QY 61 ENLIVIAIAKNNKLSHPMFFICSLAVADMLVSVNGSEITVITLNSDTDAQSFVN 120
DB 61 ENLIVIAIAKNNKLSHPMFFICSLAVADMLVSVNGSEITVITLNSDTDAQSFVN 120

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DB 121 IDNVDSVICSLLASICSLISAVDRYFTFYALQYHNIMTVRRVGIISCIWAQTVS 180

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DB 121 IDNVDSVICSLLASICSLISAVDRYFTFYALQYHNIMTVRRVGIISCIWAQTVS 180

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DB 181 GILFIYSDSTAVIICITIMFFMLAMASLYHMFMAHRIKRIAVLPGTGIRGAN 240

QY 241 MKGATITLILIGVVCWMAFFFLHLIFYISCPNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVVCWMAFFFLHLIFYISCPNPYCVCFMSHFNLYLIMCNSIIDPL 300

QY 301 IVALRSGELKRTFKKEIICYPGLGCLDSRY 332
DB 301 IVALRSGELKRTFKKEIICYPGLGCLDSRY 332

RESULT 14
US-08-870-511-12
; Sequence 12, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870, 511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-12

Query Match      94.2%; Score 1626.5; DB 3; Length 332;
Best Local Similarity 94.9%; Pred. No. 1.4e-124;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFMRSTYGGHGNATBSLGKGYDPGCGYEQLFVSPEVFTLVGISL 60
DB 2 VNST-HRGMHTSLHMRSSYRLHNSNASESLGKGYSDGCGYEQLFVSPEVFTLVGISL 60

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DB 2 VNST-HRGMHTSLHMRSSYRLHNSNASESLGKGYSDGCGYEQLFVSPEVFTLVGISL 60
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DB 121 IDNVDSVICSLLASICSLISAVDRYFTFYALQYHNIMTVRRVGIISCIWAQTVS 180

QY 181 GILFIYSDSTAVIICITIMFFMLAMASLYHMFMAHRIKRIAVLPGTGIRGAN 240
DB 181 GILFIYSDSTAVIICITIMFFMLAMASLYHMFMAHRIKRIAVLPGTGIRGAN 240

QY 241 MKGATITLILIGVVCWMAFFFLHLIFYISCPNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVVCWMAFFFLHLIFYISCPNPYCVCFMSHFNLYLIMCNSIIDPL 300

QY 301 IVALRSGELKRTFKKEIICYPGLGCLDSRY 332
DB 301 IVALRSGELKRTFKKEIICYPGLGCLDSRY 332

RESULT 15
US-09-831-206-2
; Sequence 2, Application US/09831206
; Patent No. 6573070
; GENERAL INFORMATION:
; APPLICANT: MacNeill, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; FILE REFERENCE: 20190P
; CURRENT APPLICATION NUMBER: US/09/831, 206
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-206-2

Query Match      94.1%; Score 1624.5; DB 4; Length 332;
Best Local Similarity 94.6%; Pred. No. 2.1e-124;
Matches 314; Conservative 7; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGHMTSLHFMRSTYGGHGNATBSLGKGYDPGCGYEQLFVSPEVFTLVGISL 60
DB 2 VNST-HRGMHTSLHMRSSYRLHNSNASESLGKGYSDGCGYEQLFVSPEVFTLVGISL 60

QY 61 ENLIVIAIAKNNKLSHPMFFICSLAVADMLVSVNGSEITVITLNSDTDAQSFVN 120
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QY 121 IDNVDSVICSLLASICSLISAVDRYFTFYALQYHNIMTVRRVGIISCIWAQTVS 180
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DB 121 IDNVDSVICSLLASICSLISAVDRYFTFYALQYHNIMTVRRVGIISCIWAQTVS 180

QY 181 GILFIYSDSTAVIICITIMFFMLAMASLYHMFMAHRIKRIAVLPGTGIRGAN 240
DB 181 GILFIYSDSTAVIICITIMFFMLAMASLYHMFMAHRIKRIAVLPGTGIRGAN 240

QY 241 MKGATITLILIGVVCWMAFFFLHLIFYISCPNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVVCWMAFFFLHLIFYISCPNPYCVCFMSHFNLYLIMCNSIIDPL 300

QY 301 IVALRSGELKRTFKKEIICYPGLGCLDSRY 332
DB 301 IVALRSGELKRTFKKEIICYPGLGCLDSRY 332

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Db 301 IYALRSQELRKTFRKEIICCPGLCDLSRY 332

Search completed: November 17, 2004, 23:04:40
Job time : 41 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: November 17, 2004, 23:01:42 ; Search time 144 Seconds

(without alignments)
816.461 Million cell updates/sec

Title: US-09-884-211b-4

Perfect score: 1726
Sequence: 1 MNSTLQGHMTSLHFMNRST.....FKELICCPYGLCDLSRRY 332

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Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Published Applications AA:*
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20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1638.5	94.9	332	14	US-10-225-567A-158
5	1638.5	94.9	332	14	US-10-318-661-27
6	1638.5	94.6	332	10	US-09-876-252-74
7	1632.5	94.6	332	14	US-10-226-594-4
8	1632.5	94.6	332	14	US-10-413-752-2
9	1632.5	94.6	332	14	US-10-417-820A-74
10	1632.5	94.6	332	16	US-10-723-955-74
11	1627.5	94.3	332	10	US-09-876-252-136
12	1627.5	94.3	332	14	US-10-417-820A-136
13	1627.5	94.3	332	16	US-10-723-955-136

14	1624.5	94.1	332	14	US-10-373-355-2	Sequence 2, Appli
15	1620.5	93.9	332	14	US-10-413-752-6	Sequence 6, Appli
16	1615.5	93.6	332	14	US-10-207-330-6	Sequence 6, Appli
17	1592.5	92.3	332	14	US-10-288-160-16	Sequence 16, Appli
18	1592.5	92.3	332	14	US-10-074-754-2	Sequence 2, Appli
19	1590	92.1	332	10	US-09-910-180-2	Sequence 2, Appli
20	1405	81.4	233	14	US-10-207-330-8	Sequence 8, Appli
21	1043.5	60.5	335	14	US-10-256-089-2	Sequence 2, Appli
22	1026.5	59.5	335	14	US-10-288-160-18	Sequence 18, Appli
23	1025.5	59.4	335	14	US-10-225-567A-160	Sequence 160, App
24	1025.5	59.4	335	14	US-10-369-022-40	Sequence 40, App
25	1003.5	58.1	325	13	US-10-052-545-16	Sequence 16, Appli
26	994	57.6	323	9	US-09-903-395-2	Sequence 2, Appli
27	984.5	57.0	360	14	US-10-226-594-3	Sequence 3, Appli
28	981.5	56.9	360	14	US-10-225-567A-156	Sequence 156, App
29	981.5	56.9	360	14	US-10-413-752-1	Sequence 1, Appli
30	976.5	56.6	333	10	US-09-826-509-523	Sequence 523, App
31	961	55.7	323	14	US-10-288-160-12	Sequence 12, Appli
32	758.5	43.9	317	14	US-10-226-089-1	Sequence 1, Appli
33	754.5	43.7	317	14	US-10-225-567A-162	Sequence 162, App
34	754.5	43.7	317	14	US-10-353-690-60	Sequence 60, Appli
35	754.5	43.7	317	14	US-10-164-717-6	Sequence 6, Appli
36	754.5	43.7	317	16	US-10-322-281-166	Sequence 166, App
37	754.5	43.7	382	14	US-10-164-717-7	Sequence 7, Appli
38	754.5	43.7	388	14	US-10-164-717-4	Sequence 4, Appli
39	754.5	43.6	398	14	US-10-164-717-5	Sequence 5, Appli
40	752.5	43.6	315	14	US-10-288-160-4	Sequence 4, Appli
41	752.5	43.6	317	13	US-10-052-545-2	Sequence 2, Appli
42	751.5	43.5	317	14	US-10-413-752-4	Sequence 4, Appli
43	751.5	43.5	317	15	US-10-296-734-822	Sequence 822, App
44	749.5	43.4	317	16	US-10-322-281-163	Sequence 163, App
45	749.5	43.4	398	14	US-10-164-717-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-884-211A-4
Sequence 4, Application US/09884211A
Publication No. US20030032791A1
GENERAL INFORMATION:
APPLICANT: Alan et., al.
TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
FILE REFERENCE: PC10743A
CURRENT APPLICATION NUMBER: US/09/884, 211A
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/213,509
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 332
TYPE: PRT
ORGANISM: Canine MC4R protein Sequence
US-09-884-211A-4

Query Match 100.0%; Score 1726; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 1.1e-157;
Matches 332; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 MNSTLQGHMTSLHFMNRSTYGOHGNATBSLGGYPCGCEYDFVSPVFTLGVISL 60
DB 1 MNSTLQGHMTSLHFMNRSTYGOHGNATBSLGGYPCGCEYDFVSPVFTLGVISL 60
OY 61 ENIIVYAIKKNKVLHSPMTFFICSLAVADMLVSVNGSSETIVITLLNSTDTDAOSTVN 120
DB 61 ENIIVYAIKKNKVLHSPMTFFICSLAVADMLVSVNGSSETIVITLLNSTDTDAOSTVN 120
OY 121 IDNVDSVICSLLASICSLIAVDREYFTIFPALQYHNTVVRVGIISCTWAQTVS 180
DB 121 IDNVDSVICSLLASICSLIAVDREYFTIFPALQYHNTVVRVGIISCTWAQTVS 180

Db 121 IDNVISVCSLLASISLISIAVDREYFTIFVALQYHNMIVRVGIIISCIWAACVTS 180
QY 181 GILFIYSDSTAVITICLITMFTMLAMASLYVHMFMAHRIKRIAVLPCTGTIRQGAN 240
Db 181 GILFIYSDSTAVITICLITMFTMLAMASLYVHMFMAHRIKRIAVLPCTGTIRQGAN 240
QY 241 MKGATITLILIGVFWVCMAPEFLHLIFYISCPONPYCVCFMSHFNLYLILMCSIIDPL 300
Db 241 MKGATITLILIGVFWVCMAPEFLHLIFYISCPONPYCVCFMSHFNLYLILMCSIIDPL 300
QY 301 IYALRSQELRKTPEKIIICCPYLGGLCDLSRY 332
Db 301 IYALRSQELRKTPEKIIICCPYLGGLCDLSRY 332

RESULT 2

US-09-884-211a-3
Sequence 3, Application US/09884211A
Publication No. US20030032791A1
GENERAL INFORMATION:
APPLICANT: Alan et. al.
TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
FILE REFERENCE: PCI0743A
CURRENT APPLICATION NUMBER: US/09/884.211A
CURRENT FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/213,909
PRIOR FILING DATE: 2000-06-26
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 3
LENGTH: 332
TYPE: PRT
ORGANISM: Feline MC4R protein Sequence
US-09-884-211a-3

Query Match 97.6%; Score 1685; DB 10; Length 332;
Best Local Similarity 97.6%; Pred. No. 9.4e-154;
Matches 324; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 MNSTLQHGHTSILHFNWSTYGGHGNATSLGKGYDGGCYEOLFVSPEVFTVLGYISLL 60
Db 1 MNSTLQHGHTSILHFNWSTYGGHGNATSLGKGYDGGCYEOLFVSPEVFTVLGYISLL 60
QY 61 ENILIVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSETIYITLNSITDIDAQSFVN 120
Db 61 ENILIVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSETIYITLNSITDIDAQSFVN 120
QY 121 IDNVISVCSLLASISLISIAVDREYFTIFVALQYHNMIVRVGIIISCIWAACVTS 180
Db 121 IDNVISVCSLLASISLISIAVDREYFTIFVALQYHNMIVRVGIIISCIWAACVTS 180
QY 181 GILFIYSDSTAVITICLITMFTMLAMASLYVHMFMAHRIKRIAVLPCTGTIRQGAN 240
Db 181 GILFIYSDSTAVITICLITMFTMLAMASLYVHMFMAHRIKRIAVLPCTGTIRQGAN 240
QY 241 MKGATITLILIGVFWVCMAPEFLHLIFYISCPONPYCVCFMSHFNLYLILMCSIIDPL 300
Db 241 MKGATITLILIGVFWVCMAPEFLHLIFYISCPONPYCVCFMSHFNLYLILMCSIIDPL 300
QY 301 IYALRSQELRKTPEKIIICCPYLGGLCDLSRY 332
Db 301 IYALRSQELRKTPEKIIICCPYLGGLCDLSRY 332

RESULT 3

US-10-207-330-9
Sequence 9, Application US/10207330
Publication No. US20030018169A1
GENERAL INFORMATION:
APPLICANT: Kochenderfer, Gerd G
APPLICANT: Hunter, Christie L

APPLICANT: Kent, Stephen B.H.
APPLICANT: Botci, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
TITLE OF INVENTION: of Membrane Polypeptides
FILE REFERENCE: gfn-028/02WO
CURRENT APPLICATION NUMBER: US/10/207,330
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US/09/384,302
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 9
LENGTH: 332
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-207-330-9

Query Match 94.9%; Score 1638.5; DB 14; Length 332;
Best Local Similarity 95.5%; Pred. No. 2.8e-149;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSILHFNWSTYGGHGNATSLGKGYDGGCYEOLFVSPEVFTVLGYISLL 60
Db 2 VNST-HRGHTSILHFNWSTYGGHGNATSLGKGYDGGCYEOLFVSPEVFTVLGYISLL 60
QY 61 ENILIVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSETIYITLNSITDIDAQSFVN 120
Db 61 ENILIVIAIAKKNLHSPMYFFICSLAVADMLVSVNGSETIYITLNSITDIDAQSFVN 120
QY 121 IDNVISVCSLLASISLISIAVDREYFTIFVALQYHNMIVRVGIIISCIWAACVTS 180
Db 121 IDNVISVCSLLASISLISIAVDREYFTIFVALQYHNMIVRVGIIISCIWAACVTS 180
QY 181 GILFIYSDSTAVITICLITMFTMLAMASLYVHMFMAHRIKRIAVLPCTGTIRQGAN 240
Db 181 GILFIYSDSTAVITICLITMFTMLAMASLYVHMFMAHRIKRIAVLPCTGTIRQGAN 240
QY 241 MKGATITLILIGVFWVCMAPEFLHLIFYISCPONPYCVCFMSHFNLYLILMCSIIDPL 300
Db 241 MKGATITLILIGVFWVCMAPEFLHLIFYISCPONPYCVCFMSHFNLYLILMCSIIDPL 300
QY 301 IYALRSQELRKTPEKIIICCPYLGGLCDLSRY 332
Db 301 IYALRSQELRKTPEKIIICCPYLGGLCDLSRY 332

RESULT 4

US-10-225-567A-158
Sequence 158, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Bumer, Glenna C.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: Patent In version 3.1
SEQ ID NO 158
LENGTH: 332
TYPE: PRT

ORGANISM: Homo sapiens
US-10-225-567A-158

Query Match 94.9%; Score 1638.5; DB 14; Length 332;
Best Local Similarity 95.5%; Pred. No. 2.8e-149;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSLTQGMHTSLHFNMRSTYGOHGNATESIGKGYPDGCGEQLFVSPFVTLGVISL 60
Db 2 VNST-HKGMHTSLHMRSSYRLHNSSESIGKGYSDGCGEQLFVSPFVTLGVISL 60

QY 61 ENILIVIAIAKNKMLHSPMYFFICSLAVADMLVSVNGSEFTITLINSTDTDAQSFVN 120
Db 61 ENILIVIAIAKNKMLHSPMYFFICSLAVADMLVSVNGSEFTITLINSTDTDAQSFVN 120

QY 121 IDNVDSVICSLSLISLISLAVDRYFTFYALQYHNMTVRVGIIISCIWAACVTS 180
Db 121 IDNVDSVICSLSLISLISLAVDRYFTFYALQYHNMTVRVGIIISCIWAACVTS 180

QY 181 GIIFIIYSDSTAVIICLITMFTMLAMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
Db 181 GIIFIIYSDSAVITICLITMFTMLAMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240

QY 241 MKGAIITLIIIGVAVVCMAPFFHLIFYISCPQNPYCVCMSHNLYLILMCSIIDPL 300
Db 241 MKGAIITLIIIGVAVVCMAPFFHLIFYISCPQNPYCVCMSHNLYLILMCSIIDPL 300

QY 301 IYALRSQELKRTFKRIICCPYLGGLCDLSRY 332
Db 301 IYALRSQELKRTFKRIICCPYLGGLCDLSRY 332

RESULT 5
US-10-318-661-27

Sequence 27, Application US/10318661
Publication No. US20030167476A1
GENERAL INFORMATION:
APPLICANT: Conklin, Bruce R.
TITLE OF INVENTION: Selective Target Cell Activation By
TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
FILE REFERENCE: UCAL-049CIP2
CURRENT APPLICATION NUMBER: US/10/318, 661
PRIOR FILING DATE: 2003-05-05
PRIOR APPLICATION NUMBER: US 09/341, 446
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US97/05334
PRIOR FILING DATE: 1997-03-25
PRIOR APPLICATION NUMBER: US 08/622,348
PRIOR FILING DATE: 1996-03-26
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 27
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-318-661-27

Query Match 94.9%; Score 1638.5; DB 14; Length 332;
Best Local Similarity 95.5%; Pred. No. 2.8e-149;
Matches 317; Conservative 6; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSLTQGMHTSLHFNMRSTYGOHGNATESIGKGYPDGCGEQLFVSPFVTLGVISL 60
Db 2 VNST-HKGMHTSLHMRSSYRLHNSSESIGKGYSDGCGEQLFVSPFVTLGVISL 60

QY 61 ENILIVIAIAKNKMLHSPMYFFICSLAVADMLVSVNGSEFTITLINSTDTDAQSFVN 120
Db 61 ENILIVIAIAKNKMLHSPMYFFICSLAVADMLVSVNGSEFTITLINSTDTDAQSFVN 120

QY 121 IDNVDSVICSLSLISLISLAVDRYFTFYALQYHNMTVRVGIIISCIWAACVTS 180
Db 121 IDNVDSVICSLSLISLISLAVDRYFTFYALQYHNMTVRVGIIISCIWAACVTS 180

QY 181 GIIFIIYSDSTAVIICLITMFTMLAMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
Db 181 GIIFIIYSDSAVITICLITMFTMLAMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240

QY 241 MKGAIITLIIIGVAVVCMAPFFHLIFYISCPQNPYCVCMSHNLYLILMCSIIDPL 300
Db 241 MKGAIITLIIIGVAVVCMAPFFHLIFYISCPQNPYCVCMSHNLYLILMCSIIDPL 300

QY 301 IYALRSQELKRTFKRIICCPYLGGLCDLSRY 332
Db 301 IYALRSQELKRTFKRIICCPYLGGLCDLSRY 332

QY 181 GIIFIIYSDSTAVIICLITMFTMLAMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240
Db 181 GIIFIIYSDSAVITICLITMFTMLAMASLYVHMFMLARLHKRIAVLPCTGTIRGAN 240

QY 241 MKGAIITLIIIGVAVVCMAPFFHLIFYISCPQNPYCVCMSHNLYLILMCSIIDPL 300
Db 241 MKGAIITLIIIGVAVVCMAPFFHLIFYISCPQNPYCVCMSHNLYLILMCSIIDPL 300

QY 301 IYALRSQELKRTFKRIICCPYLGGLCDLSRY 332
Db 301 IYALRSQELKRTFKRIICCPYLGGLCDLSRY 332

RESULT 6
US-09-876-252-74

Sequence 74, Application US/09876252
Publication No. US2003018182A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulsma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huong T.
APPLICANT: Chen, Ruoping
APPLICANT: Law, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Recept
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876, 252
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,127
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,131
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/141,448
PRIOR FILING DATE: 1999-06-29

PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/156,555
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,634
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,653
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/157,280
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,294
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,281
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,282
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/156,633
PRIOR FILING DATE: 1999-09-29
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.0
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-09-876-252-74

Query Match 94.6%; Score 1632.5; DB 10; Length 332;
Best Local Similarity 95.2%; Pred. No. 1.1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSLQGHMTSLHFNRSYTGQGNATSLGKGYDGGCYEOLFVSPFVTLGVISLL 60
DB 2 VNST-HRGMHTSLHFNRSYRHSNASESLGKGYDGGCYEOLFVSPFVTLGVISLL 60
QY 61 ENILVIAIAKNNKLSMPWFIFCSIAVADMLVSVNGSEITVITLNSDTDAQSFYV 120
DB 61 ENILVIAIAKNNKLSMPWFIFCSIAVADMLVSVNGSEITVITLNSDTDAQSFYV 120
QY 121 IDNVDSVTCSSLASISLAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
DB 121 IDNVDSVTCSSLASISLAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMAHRIKRIAVLPETGAIRGAN 240
DB 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMAHRIKRIAVLPETGAIRGAN 240
QY 241 MKGATITLILIGVFWCMAPFHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVFWCMAPFHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
QY 301 IYALRSQELKRTFKFKEIICCYPLGGLCDLSRY 332
DB 301 IYALRSQELKRTFKFKEIICCYPLGGLCDLSRY 332

RESULT 7
US-10-226-594-4
Sequence 4, Application US/10226594
Publication No. US20030017966A1
GENERAL INFORMATION:
APPLICANT: Duman, Ronald
TITLE OF INVENTION: MC-4R AS A TARGET FOR THE IDENTIFICATION OF COMPOUNDS
FILE REFERENCE: 07334-101001
CURRENT APPLICATION NUMBER: US/10/226,594
CURRENT FILING DATE: 2002-08-23
PRIOR APPLICATION NUMBER: US/09/385,763
PRIOR FILING DATE: 1999-08-30
PRIOR APPLICATION NUMBER: US 60/099,104
PRIOR FILING DATE: 1998-09-03
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4

LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-226-594-4

Query Match 94.6%; Score 1632.5; DB 14; Length 332;
Best Local Similarity 95.2%; Pred. No. 1.1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSLQGHMTSLHFNRSYTGQGNATSLGKGYDGGCYEOLFVSPFVTLGVISLL 60
DB 2 VNST-HRGMHTSLHFNRSYRHSNASESLGKGYDGGCYEOLFVSPFVTLGVISLL 60
QY 61 ENILVIAIAKNNKLSMPWFIFCSIAVADMLVSVNGSEITVITLNSDTDAQSFYV 120
DB 61 ENILVIAIAKNNKLSMPWFIFCSIAVADMLVSVNGSEITVITLNSDTDAQSFYV 120
QY 121 IDNVDSVTCSSLASISLAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
DB 121 IDNVDSVTCSSLASISLAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMAHRIKRIAVLPETGAIRGAN 240
DB 181 GILFIYSDSTAVIICITMFTMLAMASLYVHMFMAHRIKRIAVLPETGAIRGAN 240
QY 241 MKGATITLILIGVFWCMAPFHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
DB 241 MKGATITLILIGVFWCMAPFHLIFYISCPQNPYCVCFMSHFNLYLIMCNSIIDPL 300
QY 301 IYALRSQELKRTFKFKEIICCYPLGGLCDLSRY 332
DB 301 IYALRSQELKRTFKFKEIICCYPLGGLCDLSRY 332

RESULT 8
US-10-413-752-2
Sequence 2, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Dennis Huszar
APPLICANT: Frank Lee
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT APPLICATION NUMBER: US/10/413,752
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 08/662,560
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-413-752-2

Query Match 94.6%; Score 1632.5; DB 14; Length 332;
Best Local Similarity 95.2%; Pred. No. 1.1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

QY 1 MNSLQGHMTSLHFNRSYTGQGNATSLGKGYDGGCYEOLFVSPFVTLGVISLL 60
DB 2 VNST-HRGMHTSLHFNRSYRHSNASESLGKGYDGGCYEOLFVSPFVTLGVISLL 60
QY 61 ENILVIAIAKNNKLSMPWFIFCSIAVADMLVSVNGSEITVITLNSDTDAQSFYV 120
DB 61 ENILVIAIAKNNKLSMPWFIFCSIAVADMLVSVNGSEITVITLNSDTDAQSFYV 120
QY 121 IDNVDSVTCSSLASISLAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180
DB 121 IDNVDSVTCSSLASISLAVDRYFTIFVALQYHNIMTVRRVGIISCIWACTVS 180

Db 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWACTVS 180
Qy 181 GILFIYSDSTAVIICITIMFTMLAMSLYHMFIMARLHKRIAVLPGTGTIRGAN 240
Db 181 GILFIYSDSAYIICITIMFTMLAMSLYHMFIMARLHKRIAVLPGTGTIRGAN 240
Qy 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPONPYCVCFMSHFNLYLIMCNSIIDPL 300
Db 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPONPYCVCFMSHFNLYLIMCNSIIDPL 300
Qy 301 IYALRSGELAKTKEKIIICCPPLGGLCDLSRY 332
Db 301 IYALRSGELAKTKEKIIICCPPLGGLCDLSRY 332

RESULT 9

US-10-417-820A-74
; Sequence 74, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7 US28 CON
; CURRENT APPLICATION NUMBER: US/10/417,820A
; CURRENT FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-820A-74

Query Match 94.6%; Score 1632.5; DB 14; Length 332;
Best Local Similarity 95.2%; Pred. No. 1,1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

Qy 1 MNSTLHGQMTSLHFNRSTYGOHGNATSEIGKGYPPGCGCEOLFVSPEVFTLGVISL 60
Db 2 VNST-HRGMTSLHLNMRSSYRLHNSNBSLGKGYSDGCEOLFVSPEVFTLGVISL 60
Qy 61 ENLIVIVAIAKNKRLHSPMYFFICSLAVADMLVSVNGSEITIVITLANSITDTDAQSFTVN 120
Db 61 ENLIVIVAIAKNKRLHSPMYFFICSLAVADMLVSVNGSEITIVITLANSITDTDAQSFTVN 120
Qy 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWACTVS 180

Db 121 IDNVDSVICSLLASISCSLSIAVDRYFTIYALQYHNIMTVKRGVSGISCIWACTVS 180
Qy 181 GILFIYSDSTAVIICITIMFTMLAMSLYHMFIMARLHKRIAVLPGTGTIRGAN 240
Db 181 GILFIYSDSAYIICITIMFTMLAMSLYHMFIMARLHKRIAVLPGTGTIRGAN 240
Qy 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPONPYCVCFMSHFNLYLIMCNSIIDPL 300
Db 241 MKGATITLIIIGVFWCMAFPFLHLIFYISCPONPYCVCFMSHFNLYLIMCNSIIDPL 300
Qy 301 IYALRSGELAKTKEKIIICCPPLGGLCDLSRY 332
Db 301 IYALRSGELAKTKEKIIICCPPLGGLCDLSRY 332

RESULT 10

US-10-723-955-74
; Sequence 74, Application US/10723955
; Publication No. US20040110238A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lin, I-Ilin
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lehman-Brulnsma, Karin
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Gore, Martin
; APPLICANT: White, Carol
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7 US29 CON
; CURRENT APPLICATION NUMBER: US/10/723,955
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 10/417,820
; PRIOR FILING DATE: 2003-4-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-955-74

Query Match 94.6%; Score 1632.5; DB 16; Length 332;
Best Local Similarity 95.2%; Pred. No. 1,1e-148;
Matches 316; Conservative 6; Mismatches 9; Indels 1; Gaps 1;

Qy 1 MNSTLHGQMTSLHFNRSTYGOHGNATSEIGKGYPPGCGCEOLFVSPEVFTLGVISL 60
Db 2 VNST-HRGMTSLHLNMRSSYRLHNSNBSLGKGYSDGCEOLFVSPEVFTLGVISL 60
Qy 61 ENLIVIVAIAKNKRLHSPMYFFICSLAVADMLVSVNGSEITIVITLANSITDTDAQSFTVN 120

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Db 61 ENLIVVAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITITLNTSTDDAOSFTVN 120
Qy 121 IDNVDSVICSLSLAISCSLSIAVDRYFTIYALQYHNIMTVRGGIISCIWAACVTS 180
Db 121 IDNVDSVICSLSLAISCSLSIAVDRYFTIYALQYHNIMTVRGGIISCIWAACVTS 180
Qy 181 GILFIYSDSTAVITICLITMFTMTALMASLYVHMFMLARLHKRIAVLPGTGTIRGAN 240
Db 181 GILFIYSDSSAVITICLITMFTMTALMASLYVHMFMLARLHKRIAVLPGTGTIRGAN 240
Qy 241 MKGAIITLILIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSHFNLYLILMCSIIDPL 300
Db 241 MKGAIITLILIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSHFNLYLILMCSIIDPL 300
Qy 301 IYALRSQELRKTFKEIICCPYGLCDLSRRY 332
Db 301 IYALRSQELRKTFKEIICCPYGLCDLSRRY 332
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RESULT 11
US-09-876-252-136
; Sequence 136, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brinsma, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Rodogenous Constitutively Activated Human G Protein Coupled Re
; FILE REFERENCE: ASEN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
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; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-136
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Query Match 94.3%; Score 1627.5; DB 10; Length 332;
Best Local Similarity 94.9%; Pred. No. 3.2e-148;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;
Qy 1 MNSTLHGHTSLHFNKRSYTGQGNATSLGKGYDGGCYEQLFVSPFVTLGVISLL 60
Db 2 VNST-HRGWHTSLHFNKRSYRLHNSASLSLGKGYDGGCYEQLFVSPFVTLGVISLL 60
Qy 61 ENLIVVAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITITLNTSTDDAOSFTVN 120
Db 61 ENLIVVAIAKKNLHSPMYFFICSLAVADMLVSVNGSEITITLNTSTDDAOSFTVN 120
Qy 121 IDNVDSVICSLSLAISCSLSIAVDRYFTIYALQYHNIMTVRGGIISCIWAACVTS 180
Db 121 IDNVDSVICSLSLAISCSLSIAVDRYFTIYALQYHNIMTVRGGIISCIWAACVTS 180
Qy 181 GILFIYSDSTAVITICLITMFTMTALMASLYVHMFMLARLHKRIAVLPGTGTIRGAN 240
Db 181 GILFIYSDSSAVITICLITMFTMTALMASLYVHMFMLARLHKRIAVLPGTGTIRGAN 240
Qy 241 MKGAIITLILIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSHFNLYLILMCSIIDPL 300
Db 241 MKGAIITLILIGVFWCMAPEFLHLIFYISCPQNPYCVCFMSHFNLYLILMCSIIDPL 300
Qy 301 IYALRSQELRKTFKEIICCPYGLCDLSRRY 332
Db 301 IYALRSQELRKTFKEIICCPYGLCDLSRRY 332
RESULT 12
US-10-417-820A-136
; Sequence 136, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; TITLE OF INVENTION: Receptors
```

```
FILE REFERENCE: 7.US28.CON
CURRENT APPLICATION NUMBER: US/10/417,820A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: PatentIn version 3.2
SEQ ID NO 136
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-136
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Query Match          94.3%; Score 1627.5; DB 14; Length 332;
Best Local Similarity 94.9%; Pred. No. 3.2e-148;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFNMRSTYGOHGNATESLKGKYPDGCYEQLFVSPBEVFTLGVISLL 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 2 VNST-HRGMHTSLHMRSSYRLSNASESLGKGYSDGCYEQLFVSPBEVFTLGVISLL 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 ENIIIVAIANKKXLSHPMFFICSLAVADMLVSVNGSEITIVTLNSTDTDAQSFTVN 120
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 ENIIIVAIANKKXLSHPMFFICSLAVADMLVSVNGSEITIVTLNSTDTDAQSFTVN 120
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 IDNVDSVTCSSLASICSLSTIADVRYFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 IDNVDSVTCSSLASICSLSTIADVRYFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYVMFLMARLHKRIAVLPCTGTIROGAN 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GILFIYSDSTAVIICITMFTMLAMASLYVMFLMARLHKRIAVLPCTGTIROGAN 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 241 MKGKITLTILIGVVCWAPFLLIFYISCPQNPVCVCFMSHNLVYLILMCSIIDPL 300
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 241 MKGKITLTILIGVVCWAPFLLIFYISCPQNPVCVCFMSHNLVYLILMCSIIDPL 300
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 301 IYALRSOELRTKFEIICCPYLGGLCDLSRY 332
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 301 IYALRSOELRTKFEIICCPYLGGLCDLSRY 332
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
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RESULT 13
US-10-723-955-136
Sequence 136, Application US/10723955
Publication No. US20040110238A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Lin, I-Lin
APPLICANT: Liaw, Chen W.
APPLICANT: Lehman-Bruijsma, Karin
APPLICANT: Lowitz, Kevin P.
APPLICANT: Dang, Huang T.
```

```
APPLICANT: Chen, Ruoping
APPLICANT: Gore, Martin
APPLICANT: White, Carol
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
RECEPTORS
FILE REFERENCE: 7.US29.CON
CURRENT APPLICATION NUMBER: US/10/723,955
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: 10/417,820
PRIOR FILING DATE: 2003-4-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 148
SOFTWARE: PatentIn version 3.2
SEQ ID NO 136
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-723-955-136
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Query Match          94.3%; Score 1627.5; DB 16; Length 332;
Best Local Similarity 94.9%; Pred. No. 3.2e-148;
Matches 315; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFNMRSTYGOHGNATESLKGKYPDGCYEQLFVSPBEVFTLGVISLL 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 2 VNST-HRGMHTSLHMRSSYRLSNASESLGKGYSDGCYEQLFVSPBEVFTLGVISLL 60
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 ENIIIVAIANKKXLSHPMFFICSLAVADMLVSVNGSEITIVTLNSTDTDAQSFTVN 120
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 ENIIIVAIANKKXLSHPMFFICSLAVADMLVSVNGSEITIVTLNSTDTDAQSFTVN 120
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 IDNVDSVTCSSLASICSLSTIADVRYFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 IDNVDSVTCSSLASICSLSTIADVRYFTFYALQYHNIMTVRVGIIISCIWAACVTS 180
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 GILFIYSDSTAVIICITMFTMLAMASLYVMFLMARLHKRIAVLPCTGTIROGAN 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GILFIYSDSTAVIICITMFTMLAMASLYVMFLMARLHKRIAVLPCTGTIROGAN 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 241 MKGKITLTILIGVVCWAPFLLIFYISCPQNPVCVCFMSHNLVYLILMCSIIDPL 300
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 241 MKGKITLTILIGVVCWAPFLLIFYISCPQNPVCVCFMSHNLVYLILMCSIIDPL 300
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 301 IYALRSOELRTKFEIICCPYLGGLCDLSRY 332
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 301 IYALRSOELRTKFEIICCPYLGGLCDLSRY 332
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

```
RESULT 14
US-10-373-355-2
Sequence 2, Application US/10373355
Publication No. US20030166009A1
GENERAL INFORMATION:
APPLICANT: MacNeill, Douglas J.
APPLICANT: Weinberg, David H.
```

APPLICANT: Van der Ploeg, Leonardus H. T.
TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
FILE REFERENCE: 20190P
CURRENT FILING DATE: 2003-02-25
PRIOR APPLICATION NUMBER: US/09/831,206
PRIOR FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: PCT/US99/25767
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: 60/107,721
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: rhesus monkey (Macaca mulatta)
US-10-373-355-2

Query Match 94.1%; Score 1624.5; DB 14; Length 332;
Best Local Similarity 94.6%; Pred. No. 6.3e-146;
Matches 314; Conservative 7; Mismatches 10; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFMNRSSTYGOHGNATESLKGYPDGGCYEQLFVSPPEVFTLGVISL 60
DB 2 VNST-HRGMHTSLHFMNRSSTYGOHGNATESLKGYPDGGCYEQLFVSPPEVFTLGVISL 60
QY 61 ENIIIVIAIAKKNKLSHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSPFTVN 120
DB 61 ENIIIVIAIAKKNKLSHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSPFTVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDREYFTIFPALQYHNIMTVRRVGIISCIWAACVTS 180
DB 121 IDNVDSVICSLSLASICSLIAVDREYFTIFPALQYHNIMTVRRVGIISCIWAACVTS 180
QY 181 GILFIYSDSTAVIICITMFTMLMASLYVHMFMAHLIKRIAVLPGTGTIROGAN 240
DB 181 GILFIYSDSTAVIICITMFTMLMASLYVHMFMAHLIKRIAVLPGTGTIROGAN 240
QY 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLVYLIMCNSIIDPL 300
DB 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLVYLIMCNSIIDPL 300
QY 301 IYALRSQELRKTPEKIIICVPLGGLCDLSRY 332
DB 301 IYALRSQELRKTPEKIIICVPLGGLCDLSRY 332

RESULT 15
US-10-413-752-6
Sequence 6, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Frank Lee
APPLICANT: Dennis Huezar
APPLICANT: Wei Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/10/413,752
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 08/662,560
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Rattus sp.
US-10-413-752-6

Query Match 93.9%; Score 1620.5; DB 14; Length 332;
Best Local Similarity 94.3%; Pred. No. 1.5e-147;
Matches 313; Conservative 7; Mismatches 11; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFMNRSSTYGOHGNATESLKGYPDGGCYEQLFVSPPEVFTLGVISL 60
DB 2 VNST-HRGMHTSLHFMNRSSTYGOHGNATESLKGYPDGGCYEQLFVSPPEVFTLGVISL 60
QY 61 ENIIIVIAIAKKNKLSHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSPFTVN 120
DB 61 ENIIIVIAIAKKNKLSHSPMYFFICSLAVADMVSVNSGSEITVITLNSDTDAQSPFTVN 120
QY 121 IDNVDSVICSLSLASICSLIAVDREYFTIFPALQYHNIMTVRRVGIISCIWAACVTS 180
DB 121 IDNVDSVICSLSLASICSLIAVDREYFTIFPALQYHNIMTVRRVGIISCIWAACVTS 180
QY 181 GILFIYSDSTAVIICITMFTMLMASLYVHMFMAHLIKRIAVLPGTGTIROGAN 240
DB 181 GILFIYSDSTAVIICITMFTMLMASLYVHMFMAHLIKRIAVLPGTGTIROGAN 240
QY 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLVYLIMCNSIIDPL 300
DB 241 MKGATITLIIIGVFVVCWAPFPLHLIFYISCPONPYCVCFMSHPNLVYLIMCNSIIDPL 300
QY 301 IYALRSQELRKTPEKIIICVPLGGLCDLSRY 332
DB 301 IYALRSQELRKTPEKIIICVPLGGLCDLSRY 332

Search completed: November 17, 2004, 23:15:28
Job time : 146 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 17, 2004, 14:42:52 ; Search time 4.80769 Seconds
(without alignments)
68.971 Million cell updates/sec

Title: US-09-884-211b-4_COPY_187_191
Perfect score: 26
Sequence: 1 YSDST 5

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	261	4	US-09-270-767-60862
2	26	100.0	279	4	US-09-314-701-60
3	26	100.0	444	4	US-09-270-767-45361
4	26	100.0	745	2	US-08-887-518-3
5	26	100.0	745	2	US-09-023-321-3
6	26	100.0	745	2	US-08-890-853-4
7	26	100.0	745	2	US-09-032-475-3
8	26	100.0	745	2	US-09-099-125A-4
9	26	100.0	745	2	US-09-099-124A-4
10	26	100.0	745	3	US-09-032-476-4
11	26	100.0	745	3	US-08-890-854-4
12	26	100.0	745	3	US-09-023-324-4
13	26	100.0	745	3	US-09-168-629-2
14	26	100.0	745	3	US-08-910-820-10
15	26	100.0	745	3	US-08-810-131A-2
16	26	100.0	745	4	US-09-109-986-4
17	26	100.0	745	4	US-09-844-908-10
18	26	100.0	745	4	US-09-868-758-3
19	26	100.0	745	4	US-09-796-872-2
20	26	100.0	966	4	US-09-417-197-123
21	26	100.0	997	4	US-09-417-197-121
22	23	88.5	8	4	US-09-870-379A-16
23	23	88.5	34	1	US-08-700-749A-3
24	23	88.5	34	3	US-09-020-684-3
25	23	88.5	34	3	US-09-020-467-3
26	23	88.5	34	3	US-09-020-685-3
27	23	88.5	34	3	US-09-020-683-3

28	23	88.5	67	4	US-09-107-532A-5047	Sequence 5047, Ap
29	23	88.5	79	4	US-09-270-767-43530	Sequence 43530, A
30	23	88.5	80	4	US-09-663-600A-132	Sequence 132, App
31	23	88.5	80	4	US-09-663-600A-226	Sequence 226, App
32	23	88.5	98	4	US-09-248-796A-26611	Sequence 26611, A
33	23	88.5	128	4	US-09-198-452A-325	Sequence 325, App
34	23	88.5	139	4	US-09-107-532A-4324	Sequence 4324, Ap
35	23	88.5	144	4	US-09-248-796A-19951	Sequence 19951, A
36	23	88.5	151	4	US-09-107-532A-6111	Sequence 6111, Ap
37	23	88.5	160	4	US-09-270-767-45375	Sequence 45375, A
38	23	88.5	174	4	US-09-270-767-46937	Sequence 46937, A
39	23	88.5	194	4	US-09-489-039A-11064	Sequence 11064, A
40	23	88.5	217	4	US-09-270-767-43695	Sequence 43695, A
41	23	88.5	220	4	US-09-489-039A-11012	Sequence 11012, A
42	23	88.5	266	4	US-09-252-991A-18046	Sequence 18046, A
43	23	88.5	272	4	US-09-252-991A-29681	Sequence 29681, A
44	23	88.5	274	4	US-09-134-000C-3673	Sequence 3673, Ap
45	23	88.5	278	4	US-09-145-828A-11	Sequence 11, Appl

ALIGNMENTS

```

RESULT 1
US-09-270-767-60862
; Sequence 60862, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 60862
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-60862

Query Match          100.0%; Score 26; DB 4; Length 261;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
DB      168 YSDST 172

RESULT 2
US-09-314-701-60
; Sequence 60, Application US/09314701
; Patent No. 6544517
; GENERAL INFORMATION:
; APPLICANT: Rikihisa, Yasuko.
; APPLICANT: Ohashi, No. 6544517io
; TITLE OF INVENTION: Outer Membrane Protein of Ehrlichia Canis and Ehrlichia
; FILE REFERENCE: 22727/04021
; CURRENT APPLICATION NUMBER: US/09/314,701
; CURRENT FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 60
; LENGTH: 279
; TYPE: PRT
; ORGANISM: p30-11
US-09-314-701-60

Query Match          100.0%; Score 26; DB 4; Length 279;

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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 106 YSDST 110

RESULT 3
US-09-270-767-45361

; Sequence 45361, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 45361

; LENGTH: 444

; TYPE: PRT

; ORGANISM: Drosophila melanogaster

; FEATURE:

; OTHER INFORMATION: Xaa means any amino acid

US-09-270-767-45361

Query Match

Best Local Similarity 100.0%; Score 26; DB 4; Length 444;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 351 YSDST 355

RESULT 4
US-08-887-518-3

; Sequence 3, Application US/0887518

; Patent No. 5843721

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/887,518

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: T97-008

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 745 amino acids

; TYPE: amino acid

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-887-518-3

Query Match
Best Local Similarity 100.0%; Score 26; DB 2; Length 745;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 580 YSDST 584

RESULT 5
US-09-023-321-3

; Sequence 3, Application US/09023321

; Patent No. 5844073

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; APPLICANT: Wu, Lin

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/023,321

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/887,518

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: T97-008

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 745 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-09-023-321-3

Query Match

Best Local Similarity 100.0%; Score 26; DB 2; Length 745;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 580 YSDST 584

RESULT 6
US-08-890-853-4

; Sequence 4, Application US/08890853

; Patent No. 5851812

; GENERAL INFORMATION:

; APPLICANT: Goeddel, David V.

APPLICANT: Moronicz, John
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/890,853
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-006-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-890-853-4

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
580 YSDST 584

Db 580 YSDST 584

RESULT 7
US-09-032-475-3
Sequence 3, Application US/09032475
Patent No. 5854003
GENERAL INFORMATION:
APPLICANT: Rothe, Mike
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/032,475
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,518
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-032-475-3

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
580 YSDST 584

Db 580 YSDST 584

RESULT 8
US-09-099-125A-4
Sequence 4, Application US/09099125A
Patent No. 5916760
GENERAL INFORMATION:
APPLICANT: Goeddel, David V.
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/099,125A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/890,853
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-006-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-099-125A-4

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
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580 YSDST 584

Db 580 YSDST 584

Db 580 YSDST 584

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RESULT 9
US-09-099-124A-4
; Sequence 4, Application US/09099124A
; Patent No. 5939302
; GENERAL INFORMATION:
; APPLICANT: Goedel, David V.
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,124A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-099-124A-4

Query Match 100.0%; Score 26; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 580 YSDST 584

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; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032,476
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4341
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-032-476-4

Query Match 100.0%; Score 26; DB 3; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 580 YSDST 584

RESULT 11
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:

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LENGTH: 745 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-890-854-4

Query Match
 Best Local Similarity 100.0%; Score 26; DB 3; Length 745;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
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 Db 580 YSDST 584

RESULT 12
 US-09-023-324-4
 ; Sequence 4, Application US/09023324
 ; Patent No. 6235513
 ; GENERAL INFORMATION:
 ; APPLICANT: Rothe, Mike
 ; APPLICANT: Cao, Zhaoan
 ; APPLICANT: R gnter, Catherine
 ; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
 ; STREET: 268 BUSH STREET, SUITE 3200
 ; CITY: SAN FRANCISCO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/023,324
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/890,854
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: OSMAN, RICHARD A
 ; REGISTRATION NUMBER: 36,627
 ; REFERENCE/DOCKET NUMBER: T97-006-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 343-4341
 ; TELEFAX: (415) 343-4342
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 745 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-09-023-324-4

Query Match
 Best Local Similarity 100.0%; Score 26; DB 3; Length 745;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
 |||||
 Db 580 YSDST 584

RESULT 13
 US-09-168-629-2
 ; Sequence 2, Application US/09168629

Patent No. 6242253
 ; GENERAL INFORMATION:
 ; APPLICANT: Karin, Michael
 ; APPLICANT: DiDonato, Joseph A.
 ; APPLICANT: Rothwarf, David M.
 ; APPLICANT: Hayakawa, Makio
 ; APPLICANT: Zandi, Ebrahim
 ; TITLE OF INVENTION: IKK Kinase, Subunits Thereof, and Methods of Using Same
 ; FILE REFERENCE: P-UD 3295
 ; CURRENT APPLICATION NUMBER: US/09/168,629
 ; CURRENT FILING DATE: 1998-10-08
 ; EARLIER APPLICATION NUMBER: 60/061,470
 ; EARLIER FILING DATE: 1997-10-09
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 745
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-168-629-2

Query Match
 Best Local Similarity 100.0%; Score 26; DB 3; Length 745;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSDST 5
 |||||
 Db 580 YSDST 584

RESULT 14
 US-08-910-820-10
 ; Sequence 10, Application US/08910820
 ; Patent No. 6258579
 ; GENERAL INFORMATION:
 ; APPLICANT: Mercurio, Frank
 ; APPLICANT: Zhu, Hengyi
 ; APPLICANT: Barbosa, Miguel
 ; APPLICANT: Li, Gian
 ; APPLICANT: Murray, Brian W.
 ; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE
 ; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SEED and BERRY LLP
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA
 ; ZIP: 98104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/910,820
 ; FILING DATE: 12-AUG-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: MAKI, David J.
 ; REGISTRATION NUMBER: 31,392
 ; REFERENCE/DOCKET NUMBER: 860098.413C1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206) 622-4900
 ; TELEFAX: (206) 682-6031
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 745 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; US-08-910-820-10

Query Match 100.0%; Score 26; DB 3; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
580 YSDST 584

RESULT 15

US-08-810-131A-2
Sequence 2, Application US/08810131A

PATENT NO. 6268194
GENERAL INFORMATION:
APPLICANT: Karin, Michael
APPLICANT: Didonato, Joseph A.
APPLICANT: Rothwarf, David M.
APPLICANT: Hayakawa, Makio
APPLICANT: Zandi, Edrahim
TITLE OF INVENTION: I-Kappa-B Kinase and Methods of Using
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/810,131A
FILING DATE: 25-FEB-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UD 2408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-810-131A-2

Query Match 100.0%; Score 26; DB 3; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
580 YSDST 584

RESULT 16

US-09-109-986-4
Sequence 4, Application US/09109986

PATENT NO. 6479266
GENERAL INFORMATION:
APPLICANT: Roche, Mike
APPLICANT: Cao, Zhaoan
APPLICANT: R. Guier, Catherine
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,986
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/890,854
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-006-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-109-986-4

Query Match 100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
580 YSDST 584

RESULT 17

US-09-844-908-10
Sequence 10, Application US/09844908

PATENT NO. 6576437
GENERAL INFORMATION:
APPLICANT: Mercurio, Frank
APPLICANT: Zhu, Hengyi
APPLICANT: Barbosa, Miguel
APPLICANT: Li, Gian
APPLICANT: Murray, Brian W.

TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE
COMPLEX AND METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/844,908
FILING DATE: 27-Apr-2001
CLASSIFICATION: <Unknown>

```
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/910,820
/ FILING DATE: 12-AUG-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MAKI, David J.
/ REGISTRATION NUMBER: 31,392
/ REFERENCE/DOCKET NUMBER: 860098.413C1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206) 622-4900
/ TELEFAX: (206) 682-6031
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 745 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-844-908-10

Query Match          100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 18
US-09-868-758-3
/ Sequence 3, Application US/09868758
/ Patent No. 6576439
/ GENERAL INFORMATION:
/ APPLICANT: Glaxo Wellcome KK
/ APPLICANT: Takemoto, Yoshihiro
/ APPLICANT: Sakai, Yutaka
/ APPLICANT: Hashimoto, Yasuhiro
/ TITLE OF INVENTION: IKK3
/ FILE REFERENCE: 9950986P
/ CURRENT APPLICATION NUMBER: US/09/868,758
/ CURRENT FILING DATE: 2001-09-27
/ PRIOR APPLICATION NUMBER: GB 9828704.8
/ PRIOR FILING DATE: 1998-12-24
/ NUMBER OF SEQ ID NOS: 45
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 3
/ LENGTH: 745
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-868-758-3

Query Match          100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 19
US-09-796-872-2
/ Sequence 2, Application US/09796872
/ Patent No. 6689575
/ GENERAL INFORMATION:
/ APPLICANT: Karin, Michael
/ APPLICANT: Didonato, Joseph A.
/ APPLICANT: Rothwarf, David M.
/ APPLICANT: Hayakawa, Makio
/ APPLICANT: Zandi, Ebrahim
/ TITLE OF INVENTION: Ikb Kinase, Subunits Thereof, and Methods of Using Same
/ FILE REFERENCE: P-UD 3295
/ CURRENT APPLICATION NUMBER: US/09/796,872
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/ CURRENT FILING DATE: 2001-02-28
/ PRIOR APPLICATION NUMBER: 09/168,629
/ PRIOR FILING DATE: 1998-10-08
/ PRIOR APPLICATION NUMBER: 60/061,470
/ PRIOR FILING DATE: 1997-10-09
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 745
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-796-872-2

Query Match          100.0%; Score 26; DB 4; Length 745;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 20
US-09-417-197-123
/ Sequence 123, Application US/09417197
/ Patent No. 6518021
/ GENERAL INFORMATION:
/ APPLICANT: Ole Thastrup, et al.
/ TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
/ TITLE OF INVENTION: On A Cellular Response
/ FILE REFERENCE: 3759-0110P
/ CURRENT APPLICATION NUMBER: US/09/417,197
/ CURRENT FILING DATE: 1999-10-07
/ NUMBER OF SEQ ID NOS: 143
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 123
/ LENGTH: 996
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Ikappab-kinase-EGFP fusion
US-09-417-197-123

Query Match          100.0%; Score 26; DB 4; Length 996;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSDST 5
        |||||
Db       580 YSDST 584

RESULT 21
US-09-417-197-121
/ Sequence 121, Application US/09417197
/ Patent No. 6518021
/ GENERAL INFORMATION:
/ APPLICANT: Ole Thastrup, et al.
/ TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
/ TITLE OF INVENTION: On A Cellular Response
/ FILE REFERENCE: 3759-0110P
/ CURRENT APPLICATION NUMBER: US/09/417,197
/ CURRENT FILING DATE: 1999-10-07
/ NUMBER OF SEQ ID NOS: 143
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 121
/ LENGTH: 997
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: EGFP-Ikappab-kinase fusion
US-09-417-197-121
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Query Match 100.0%; Score 26; DB 4; Length 997;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 832 YSDST 836

RESULT 22
US-09-870-379A-16
Sequence 16, Application US/09870379A
Patent No. 6777439

GENERAL INFORMATION:
APPLICANT: Donald L. Durden
TITLE OF INVENTION: ADVANCED RESEARCH & TECHNOLOGY INSTITUTE
TITLE OF INVENTION: Compositions and Methods for Identifying
TITLE OF INVENTION: Agents which Modulate PTEP Function and PI-3 Kinase
FILE REFERENCE: 1857-PO2575US1
CURRENT APPLICATION NUMBER: US/09/870,379A
CURRENT FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: 60/274,167
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: 60/208,437
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 16
LENGTH: 8
TYPE: PRT
ORGANISM: Homo sapiens
US-09-870-379A-16

Query Match 88.5%; Score 23; DB 4; Length 8;
Best Local Similarity 80.0%; Pred. No. 3.8e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 2 YSDST 6

RESULT 23
US-08-700-749A-3
Sequence 3, Application US/08700749A
Patent No. 5789550

GENERAL INFORMATION:
APPLICANT: GOEDEL, DAVID V.
APPLICANT: ROTHER, MIKE
TITLE OF INVENTION: TRAF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,749A
FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/002382
FILING DATE: 17-aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.

REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0960R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-3216
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-700-749A-3

Query Match 88.5%; Score 23; DB 1; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 26 YSDAT 30

RESULT 24
US-09-020-684-3
Sequence 3, Application US/09020684
Patent No. 6004553

GENERAL INFORMATION:
APPLICANT: GOEDEL, DAVID V.
APPLICANT: ROTHER, MIKE
TITLE OF INVENTION: TRAF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/020,684
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/002382
FILING DATE: 17-aug-1995

ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0960R1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-3216
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-020-684-3

Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 26 YSDAT 30

RESULT 25

US-09-020-467-3
; Sequence 3, Application US/09020467
; Patent No. 6060303
; GENERAL INFORMATION:
; APPLICANT: GOEDEL, DAVID V.
; APPLICANT: ROTHE, MIKE
; TITLE OF INVENTION: TRAF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,467
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/002382
; FILING DATE: 17-aug-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: P0960R1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-09-020-467-3
Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 YSDST 5
|||:
Db 26 YSDAT 30
RESULT 26
US-09-020-685-3
; Sequence 3, Application US/09020685
; Patent No. 6063585
; GENERAL INFORMATION:
; APPLICANT: GOEDEL, DAVID V.
; APPLICANT: ROTHE, MIKE
; TITLE OF INVENTION: TRAF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,685

FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/002382
FILING DATE: 17-aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0960R1D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-3216
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-020-685-3
Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 YSDST 5
|||:
Db 26 YSDAT 30
RESULT 27
US-09-020-683-3
; Sequence 3, Application US/09020683
; Patent No. 6294348
; GENERAL INFORMATION:
; APPLICANT: GOEDEL, DAVID V.
; APPLICANT: ROTHE, MIKE
; TITLE OF INVENTION: TRAF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,683
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/002382
; FILING DATE: 17-aug-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: P0960R1D3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-09-020-683-3
Query Match 88.5%; Score 23; DB 3; Length 34;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 26 YSDAT 30

RESULT 28

US-09-107-532A-5047
; Sequence 5047, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER, READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5047:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 67 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...67
; SEQUENCE DESCRIPTION: SEQ ID NO: 5047:
US-09-107-532A-5047

Query Match 88.5%; Score 23; DB 4; Length 67;
Best Local Similarity 80.0%; Pred. No. 2.7e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 25 YSDAT 29

RESULT 29

US-09-270-767-43530
; Sequence 43530, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 43530
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-43530

Query Match 88.5%; Score 23; DB 4; Length 79;
Best Local Similarity 80.0%; Pred. No. 3.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 3 YTDST 7

RESULT 30

US-09-663-600A-132
; Sequence 132, Application US/09663600A
; Patent No. 6573068
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: EXTENDED CDNAS FOR SECRETED PROTEINS
; FILE REFERENCE: 31.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/663,600A
; CURRENT FILING DATE: 2000-09-15
; PRIORITY APPLICATION NUMBER: 09/191,997
; PRIORITY FILING DATE: 1998-11-13
; PRIORITY APPLICATION NUMBER: 60/066,677
; PRIORITY FILING DATE: 1997-11-13
; PRIORITY APPLICATION NUMBER: 60/069,957
; PRIORITY FILING DATE: 1997-12-17
; PRIORITY APPLICATION NUMBER: 60/074,121
; PRIORITY FILING DATE: 1998-02-09
; PRIORITY APPLICATION NUMBER: 60/081,563
; PRIORITY FILING DATE: 1998-04-13
; PRIORITY APPLICATION NUMBER: 60/096,116
; PRIORITY FILING DATE: 1998-08-10
; PRIORITY APPLICATION NUMBER: 60/099,273
; PRIORITY FILING DATE: 1998-09-04
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: Patent .pm
; SEQ ID NO 132
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -47...-1
US-09-663-600A-132

Query Match 88.5%; Score 23; DB 4; Length 80;
Best Local Similarity 80.0%; Pred. No. 3.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 11 YTDST 15

RESULT 31

US-09-663-600A-226
; Sequence 226, Application US/09663600A
; Patent No. 6573068
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric

```

; APPLICANT: Bouguetelerc, Lydie
; TITLE OF INVENTION: EXTENDED CDNAS FOR SECRETED PROTEINS
; FILE REFERENCE: 31. US3. CIP
; CURRENT APPLICATION NUMBER: US/09/663,600A
; CURRENT FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/099,273
; PRIOR FILING DATE: 1998-09-04
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: Patent.pm
; SEQ ID NO 226
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -47...-1
; US-09-663-600A-226

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```

Query Match      88.5%; Score 23; DB 4; Length 80;
Best Local Similarity 80.0%; Pred. No. 3.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 YSDST 5
        |||||
Db      11 YTDST 15

```

```

RESULT 32
US-09-248-796A-26611
; Sequence 26611, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 26611
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Candida albicans
; US-09-248-796A-26611

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Query Match      88.5%; Score 23; DB 4; Length 94;
Best Local Similarity 80.0%; Pred. No. 3.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 YSDST 5
        |||||
Db      69 YADST 73

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RESULT 33
US-09-198-452A-325
; Sequence 325, Application US/09198452A

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; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 325
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; US-09-198-452A-325

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Query Match      88.5%; Score 23; DB 4; Length 128;
Best Local Similarity 80.0%; Pred. No. 5.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      1 YSDST 5
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Db      75 YTDST 79

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RESULT 34
US-09-107-532A-432A
; Sequence 432A, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucet-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESS: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-8277
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 432A:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...139

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SEQUENCE DESCRIPTION: SEQ ID NO: 4324;
US-09-107-532A-4524

Query Match
Best Local Similarity 88.5%; Score 23; DB 4; Length 139;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:|
Db 63 YSDNT 67

RESULT 35
US-09-248-796A-19951
Sequence 19951, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 19951
LENGTH: 144
TYPE: PRT
ORGANISM: Candida albicans
US-09-248-796A-19951

Query Match
Best Local Similarity 88.5%; Score 23; DB 4; Length 144;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:|
Db 38 YSDNT 42

RESULT 36
US-09-107-532A-6111
Sequence 6111, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
CORRESPONDENCE ADDRESS:
ADDRESS: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:

NAME: Arinello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 6111:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (B) LOCATION 1...151
SEQUENCE DESCRIPTION: SEQ ID NO: 6111;
US-09-107-532A-6111

Query Match
Best Local Similarity 88.5%; Score 23; DB 4; Length 151;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:|
Db 86 YSDTT 90

RESULT 37
US-09-270-767-45375
Sequence 45375, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO 45375
LENGTH: 160
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-45375

Query Match
Best Local Similarity 88.5%; Score 23; DB 4; Length 160;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:|
Db 134 YSDAT 138

RESULT 38
US-09-270-767-46937
Sequence 46937, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO 46937
LENGTH: 174
TYPE: PRT
ORGANISM: Drosophila melanogaster

US-09-270-767-46937

Query Match 88.5% Score 23; DB 4; Length 174;
Best Local Similarity 80.0%; Pred. No. 7.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 3 YSDNT 7

RESULT 39

US-09-489-039A-11064
; Sequence 11064, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709,2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11064
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-11064

Query Match 88.5% Score 23; DB 4; Length 194;
Best Local Similarity 80.0%; Pred. No. 8.3e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 84 YSDAT 88

RESULT 40

US-09-270-767-43695
; Sequence 43695, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43695
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
; US-09-270-767-43695

Query Match 88.5% Score 23; DB 4; Length 217;
Best Local Similarity 80.0%; Pred. No. 9.4e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||:
Db 21 YNDST 25

Search completed: November 17, 2004, 14:59:50
Job time : 5.80769 secs

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US-08-672-109B-8
; Sequence 8, Application US/08672109B
; Patent No. 5710265
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/672,109B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Dean F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853PVC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEO ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-672-109B-8

Query Match 71.7%; Score 188.5; DB 1; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSLTLQCHMHTSLHFWRNSTYGGHGNATSLGKGYDPDGGCYEOLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSMASESLGKGYSDGGCYEOLFV 46

RESULT 3
US-08-642-045-8
; Sequence 8, Application US/08842045
; Patent No. 5817787
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,045
; FILING DATE:
; CLASSIFICATION: 536

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: ATTORNEY/AGENT INFORMATION:
: NAME: Smith, Deann F.
: REGISTRATION NUMBER: 36683
: REFERENCE/DOCKET NUMBER: 2115-000853DVE
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (810)641-1600
: TELEFAX: (810)641-0270
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 332 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-08-842-238-8

Query Match 71.7%; Score 188.5; DB 2; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1

1 MNSTLQGHMTSLHFMNRSYTGQHGNATESLGKGYPDGCGYEQLFV 46
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2 VNST-HRGMHTSLHLMNRSYTHLSNMAESLGKGYSDGCGYEQLFV 46

: RESULT 4
: US-08-842-238-8
: Sequence 8, Application US/08842238
: Patent No. 5869257
: GENERAL INFORMATION:
: APPLICANT: Yamada, Tadataka
: APPLICANT: Gantz, Ira
: TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
: NUMBER OF SEQUENCES: 23
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
: STREET: P.O. Box 828
: CITY: Bloomfield Hills
: STATE: MI
: COUNTRY: US
: ZIP: 48303
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/842,238
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Smith, Deann F.
: REGISTRATION NUMBER: 36683
: REFERENCE/DOCKET NUMBER: 2115-000853DVE
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (810)641-1600
: TELEFAX: (810)641-0270
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 332 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-08-842-238-8

Query Match 71.7%; Score 188.5; DB 2; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

1 MNSTLQGHMTSLHFMNRSYTGQHGNATESLGKGYPDGCGYEQLFV 46
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
2 VNST-HRGMHTSLHLMNRSYTHLSNMAESLGKGYSDGCGYEQLFV 46

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1  COUNTRY: USA
2  ZIP: 10036/2711
3  COMPUTER READABLE FORM:
4  MEDIUM TYPE: Diskette
5  COMPUTER: IBM Compatible
6  OPERATING SYSTEM: DOS
7  SOFTWARE: FastSeq Version 2.0
8  CURRENT APPLICATION DATA:
9  APPLICATION NUMBER: US/08/780,749A
10 FILING DATE: 08-JAN-1997
11 CLASSIFICATION: 800
12 ATTORNEY/AGENT INFORMATION:
13 NAME: Laura A. Coruzzi
14 REGISTRATION NUMBER: 30,742
15 REFERENCE/DOCKET NUMBER: 7853-064
16 TELECOMMUNICATION INFORMATION:
17 TELEPHONE: (212) 790-9090
18 TELEFAX: (212) 869-8864/9741
19 TELETYPE: 66141 PENNIE
20 LENGTH: 332 amino acids
21 SEQUENCE CHARACTERISTICS:
22 TYPE: amino acid
23 STRANDEDNESS:
24 TOPOLOGY: unknown
25 MOLECULE TYPE: peptide
26 US-08-780-749A-2
27
28 Query Match 71.7%; Score 188.5; DB 2; Length 332;
29 Best Local Similarity 76.1%; Pred. No. 1e-16;
30 Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1.
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SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-780-749A-6

Query Match 71.7%; Score 188.5; DB 2; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLHFNWNRSTYGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 8

US-08-629-335B-8
Sequence 8, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Harnes, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-8

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLHFNWNRSTYGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 9

US-08-870-511-2
Sequence 2, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis

APPLICANT: Gu, Wei
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-2

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLHFNWNRSTYGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 10

US-08-870-511-6
Sequence 6, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-6

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLHFNWNRSTYGQHGNAATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 11

US-08-870-511-8
Sequence 8, Application US/08870511
Patent No. 6287763
GENERAL INFORMATION:
APPLICANT: Lee, Frank
APPLICANT: Huszar, Dennis
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
FILE REFERENCE: 7853-083
CURRENT APPLICATION NUMBER: US/08/870,511
CURRENT FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-08-870-511-8

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Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLQHGHTSLHFMNRSYTGQHGHNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 12
US-08-870-511-10
; Sequence 10, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-10

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLQHGHTSLHFMNRSYTGQHGHNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 13
US-08-870-511-12
; Sequence 12, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-12

Query Match 71.7%; Score 188.5; DB 3; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLQHGHTSLHFMNRSYTGQHGHNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 14
US-09-384-302A-9
; Sequence 9, Application US/09384302A
```

```
Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botli, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; FILE REFERENCE: grfn-028/02WO
; CURRENT APPLICATION NUMBER: US/09/384,302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-9

Query Match 71.7%; Score 188.5; DB 4; Length 332;
Best Local Similarity 76.1%; Pred. No. 1e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 MNSTLQHGHTSLHFMNRSYTGQHGHNATESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 15
US-08-706-281A-16
; Sequence 16, Application US/08706281A
; Patent No. 6100048
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; APPLICANT: Fan, Wei
; APPLICANT: Boston, Bruce A
; APPLICANT: Kesterton, Robert A
; APPLICANT: Lu, Dongxi
; APPLICANT: Chen, Wenbiao
; TITLE OF INVENTION: Methods and Reagents for Discovering and
; TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,281A
; FILING DATE: 04-SEP-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6100048nan, Kevin B
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 96,886
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
```

TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-706-281A-16

Query Match 69.4%; Score 182.5; DB 3; Length 332;
Best Local Similarity 73.9%; Pred. No. 6.1e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFMNRSTYGOHGNATESLKGYPDGGCYEQLFV 46
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSASBSLKGYSDDGCVYQLFV 46

RESULT 16
US-09-097-231-16
; Sequence 16, Application US/09097231
; Patent No. 6278038
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; Chen, Wenbiao
; Low, Malcolm J

TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESSES:
ADDRESS: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,231
FILING DATE: 12-Jun-1998
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: No. 6278038nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-097-231-16

Query Match 69.4%; Score 182.5; DB 3; Length 332;
Best Local Similarity 73.9%; Pred. No. 6.1e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFMNRSTYGOHGNATESLKGYPDGGCYEQLFV 46
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSASBSLKGYSDDGCVYQLFV 46

RESULT 17
US-09-353-099-16
; Sequence 16, Application US/09353099

Patent No. 6476187
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
Pan, Wei
Boston, Bruce A
Kesterton, Robert A
Lu, Dongxi
Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
Using Mammalian Melanocortin Receptor Agonists and Antagonists
to Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESS: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,099
FILING DATE: 14-Sep-1999
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/706,281
FILING DATE: 04-SEP-1996

ATTORNEY/AGENT INFORMATION:
NAME: No. 6476187nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-353-099-16

Query Match 69.4%; Score 182.5; DB 4; Length 332;
Best Local Similarity 73.9%; Pred. No. 6.1e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQGMHTSLHFMNRSTYGOHGNATESLKGYPDGGCYEQLFV 46
Db 2 VNST-HRGMHTSLHFMNRSSYRLHNSASBSLKGYSDDGCVYQLFV 46

RESULT 18
US-09-831-206-2
; Sequence 2, Application US/09831206
; Patent No. 6573070
; GENERAL INFORMATION:
; APPLICANT: Macneil, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY
; FILE REFERENCE: 20190P
; CURRENT APPLICATION NUMBER: US/09/831,206
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721

PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-206-2

Query Match 67.9%; Score 178.5; DB 4; Length 332;
Best Local Similarity 71.7%; Pred. No. 2e-15;
Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYDGCYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSASESLGKGYSDGCYEQLFV 46

RESULT 19

US-09-384-302A-6
Sequence 6, Application US/09384302A
Patent No. 6451543

GENERAL INFORMATION:
APPLICANT: Kochendoerfer, Gerd G
APPLICANT: Hunter, Christie L
APPLICANT: Kent, Stephen B.H.
APPLICANT: Botti, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: gtfh-028/02MO
CURRENT APPLICATION NUMBER: US/09/384,302A
CURRENT FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 332
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-6

Query Match 66.3%; Score 174.5; DB 4; Length 332;
Best Local Similarity 71.7%; Pred. No. 6.8e-15;
Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYDGCYEQLFV 46
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSASESLGKGYEQLFV 46

RESULT 20

US-09-384-302A-7
Sequence 7, Application US/09384302A
Patent No. 6451543

GENERAL INFORMATION:
APPLICANT: Kochendoerfer, Gerd G
APPLICANT: Hunter, Christie L
APPLICANT: Kent, Stephen B.H.
APPLICANT: Botti, Paolo
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: gtfh-028/02MO
CURRENT APPLICATION NUMBER: US/09/384,302A
CURRENT FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31

PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 39
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-7

Query Match 56.5%; Score 148.5; DB 4; Length 39;
Best Local Similarity 71.8%; Pred. No. 1.4e-12;
Matches 28; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Qy 1 MNSTLQHGHTSLHFMNRSYGGHGNATESLGKGYDGCY 39
Db 2 VNST-HRGMHTSLHLMNRSYRLHNSASESLGKGYSDGC 39

RESULT 21

US-09-198-452A-556
Sequence 556, Application US/09198452A
Patent No. 6559294

GENERAL INFORMATION:
APPLICANT: Grifflais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 556
LENGTH: 237
TYPE: PRT
ORGANISM: Chlamydia pneumoniae
US-09-198-452A-556

Query Match 23.6%; Score 62; DB 4; Length 237;
Best Local Similarity 44.1%; Pred. No. 2.5;
Matches 15; Conservative 2; Mismatches 7; Indels 10; Gaps 2;

Qy 2 NSTLQHGHTSLHFMNRSYGGHGNATESLGKGY 35
Db 32 NTLSLGHM--HFMNRS-----LIQILSGY 55

RESULT 22

US-08-469-260A-324
Sequence 324, Application US/08469260A
Patent No. 6451578

GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMU J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHROFF
APPLICANT: JAMES C. EKKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAMAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESSES:
ADDRESS: ABBOTT LABORATORIES D377/APED
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,260A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: POREBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-6365
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-260A-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

QY 8 GMHTSLHFMNRSYTGQHGNAATESLGKYP---DG--GCYEQL 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYRGTLDGVSGCSDQL 45

RESULT 23
US-08-488-446-324
Sequence 324, Application US/08488446
Patent No. 6558898
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMT J. PILOT-MATTIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHRHOF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
TITLE OF INVENTION: ISA K. MUSHAMWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/APED
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,446
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: POREBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-6365
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-446-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

QY 8 GMHTSLHFMNRSYTGQHGNAATESLGKYP---DG--GCYEQL 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYRGTLDGVSGCSDQL 45

RESULT 24
US-08-467-344A-324
Sequence 324, Application US/08467344A
Patent No. 6586568
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMT J. PILOT-MATTIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHRHOF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/APED
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,344A
FILING DATE: 07-Jun-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/424,550
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: POREBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-6365
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 324:
US-08-467-344A-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

OY 8 GWTSLHFMNRTYGOHGNATSLGKGYD---DG--GCYEQ 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYPTLIDVSGCSDQL 45

RESULT 25
US-08-424-550B-324
Sequence 324, Application US/08424550B
Patent No. 6720166
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMT J. PILOT-MATIAS
APPLICANT: GEORGE J. DAMSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEBHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUTIK
APPLICANT: ISA K. MUSHAMMAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550B
FILING DATE:
CLASSIFICATION: 435435
ATTORNEY/AGENT INFORMATION:
NAME: POROMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 324:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-424-550B-324

Query Match 23.4%; Score 61.5; DB 4; Length 51;
Best Local Similarity 42.9%; Pred. No. 0.49;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

OY 8 GWTSLHFMNRTYGOHGNATSLGKGYD---DG--GCYEQ 44
DB 10 GLH-SLHCWT-GAFGRFGDG---GGGYPTLIDVSGCSDQL 45

RESULT 26

US-08-444-005-15
Sequence 15, Application US/08444005
Patent No. 5674734
GENERAL INFORMATION:
APPLICANT: Leder, Philip
APPLICANT: Seed, Brian
APPLICANT: Stanger, Ben Z.
APPLICANT: Lee, Tae-Ho
APPLICANT: Kim, Emily
TITLE OF INVENTION: CELL DEATH PROTEIN
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street, Suite 3100
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/444,005
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,164
REFERENCE/DOCKET NUMBER: 00383/026001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 656 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-444-005-15

Query Match 22.1%; Score 58; DB 1; Length 656;
Best Local Similarity 47.6%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

OY 16 WNRSTYGOHGNATSLGKGYD 36
DB 460 WNGLYNHGFGTGTGTGYWYP 480

RESULT 27
US-09-069-023-28
Sequence 28, Application US/09069023A
Patent No. 6348573
GENERAL INFORMATION:
APPLICANT: Nunez, Gabriel
APPLICANT: Inohara, Naohiro
APPLICANT: Koseki, Takeyoshi
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
FILING DATE: 1998-04-27
CURRENT APPLICATION NUMBER: US/09/069,023A
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 28
LENGTH: 656
TYPE: PRT
ORGANISM: Mus musculus
US-09-069-023-28

US-09-069-023-28

Query Match 22.1%; Score 58; DB 3; Length 656;
Best Local Similarity 47.6%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 16 WNRSTYGOHGNATESLGKYP 36
DB 460 WNNGLYNHGHGFTGTGTGWYP 480

RESULT 28
US-09-345-473E-30
; Sequence 30, Application US/09345473E
; Patent No. 6558903
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin
; TITLE OF INVENTION: No. 6558903el Kinases and Uses Thereof
; FILE REFERENCE: 35800/183781
; CURRENT APPLICATION NUMBER: US/09/345,473E
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 656
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-345-473E-30

Query Match 22.1%; Score 58; DB 4; Length 656;
Best Local Similarity 47.6%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 16 WNRSTYGOHGNATESLGKYP 36
DB 460 WNNGLYNHGHGFTGTGTGWYP 480

RESULT 29
US-09-538-092-1320
; Sequence 1320, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurataseqFormatter Version 0.9
; SEQ ID NO 1320
; LENGTH: 983
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Q14157
US-09-538-092-1320

Query Match 22.1%; Score 58; DB 4; Length 983;
Best Local Similarity 38.5%; Pred. No. 44;
Matches 15; Conservative 6; Mismatches 10; Indels 8; Gaps 2;

QY 3 STLGHGHTSLH-----FNNRSTYGOHGNATESLGKYP 36
DB 937 SSKQHGIVNVASATPQPSGSGSHGYNT---GRKYP 972

RESULT 30
US-09-194-905-6
; Sequence 6, Application US/09194905
; Patent No. 6306627

; GENERAL INFORMATION:
; APPLICANT: DECKER, Heinrich
; TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
; TITLE OF INVENTION: PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
; TITLE OF INVENTION: GLA.O AND THEIR USE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/194,905

FILING DATE: 29-JUL-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/EP97/02826
FILING DATE: 30-MAY-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 19622783.6

FILING DATE: 07-JUN-1996

ATTORNEY/AGENT INFORMATION:

NAME: Granados, Patricia D.

REGISTRATION NUMBER: 33,683

REFERENCE/DOCKET NUMBER: 026083/0193

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 672-5399

TELEFAX: (202) 672-5399

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 181 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-194-905-6

Query Match 21.7%; Score 57; DB 3; Length 181;
Best Local Similarity 37.5%; Pred. No. 8.3;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;

QY 1 MNSTLGHGHTSLHFNRRSTYGO--HGNATES 30
DB 104 LDALRHGVRTLVHVSSTDEVYGLPHGAAS 135

RESULT 31
US-09-194-905-11
; Sequence 11, Application US/09194905
; Patent No. 6306627
; GENERAL INFORMATION:
; APPLICANT: DECKER, Heinrich
; TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
; TITLE OF INVENTION: PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.

ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/194,905
FILING DATE: 29-JUL-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP97/02826
FILING DATE: 30-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-194-905-11

Query Match 21.7%; Score 57; DB 3; Length 325;
Best Local Similarity 37.5%; Pred. No. 16;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;
Qy 1 MNSTLGHMHTSLHFWNRSTYGO--HGNATES 30
Db 111 LDALRHGVRTFVHVSTDEVYGSPLPHGAABS 142
RESULT 32
US-09-679-686B-23
Sequence 23, Application US/09679686B
Patent No. 6624343
GENERAL INFORMATION:
APPLICANT: Allen, Stephen M.
APPLICANT: Lightner, Jonathan E.
APPLICANT: Rafalski, J. Antoni
APPLICANT: Thorpe, Catherine J.
TITLE OF INVENTION: HEXOSE CARRIER PROTEINS
FILE REFERENCE: BB1160 US NA
CURRENT APPLICATION NUMBER: US/09/679,686B
CURRENT FILING DATE: 2003-01-16
PRIOR APPLICATION NUMBER: 60/081,131
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: PCT/US99/07561
PRIOR FILING DATE: 1999-04-07
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Microsoft Office 97
SEQ ID NO 23
LENGTH: 518
TYPE: PRT
ORGANISM: Medicago truncatula
US-09-679-686B-23

Query Match 21.7%; Score 57; DB 4; Length 518;
Best Local Similarity 52.2%; Pred. No. 28;
Matches 12; Conservative 3; Mismatches 6; Indels 2; Gaps 2;
Qy 15 FWNST-YGQHGNTESLGKYP 36
Db 494 FWSRFVHGHGNGVE-MGKGAP 515

RESULT 33
US-09-543-681A-7974
Sequence 7974, Application US/09543681A
Patent No. 6605709
GENERAL INFORMATION:
APPLICANT: GARY BRSTON
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
FILE REFERENCE: 2709,1002-001
CURRENT APPLICATION NUMBER: US/09/543,681A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 7974
LENGTH: 150
TYPE: PRT
ORGANISM: Proteus mirabilis
US-09-543-681A-7974

Query Match 21.5%; Score 56.5; DB 4; Length 150;
Best Local Similarity 35.3%; Pred. No. 7.7;
Matches 12; Conservative 7; Mismatches 14; Indels 1; Gaps 1;
Qy 8 GMHTSLHFWNRSTYGOHGNTES-LGKGYDPGCG 40
Db 65 GTPDISYDANLYGENNVLESHIGKGYENSC 98

RESULT 34
US-09-614-912-76
Sequence 76, Application US/09614912
Patent No. 6677502
GENERAL INFORMATION:
APPLICANT: Allen, Steve
APPLICANT: Rafalski, Antoni
APPLICANT: Orozco, Buddy
APPLICANT: Miao, Gou-Hau
APPLICANT: Famodu, Omolayo O.
APPLICANT: Lee, Jian Ming
APPLICANT: Sakai, Hajime
APPLICANT: Weng, Zude
APPLICANT: Caimi, Perry G
APPLICANT: Anderson, Shawn
TITLE OF INVENTION: Plant Metabolism Genes
FILE REFERENCE: BB1378 US NA
CURRENT APPLICATION NUMBER: US/09/614,912
CURRENT FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: 60/143,401
PRIOR FILING DATE: 1999-07-12
PRIOR APPLICATION NUMBER: 60/143,412
PRIOR FILING DATE: 1999-07-12
PRIOR APPLICATION NUMBER: 60/146,650
PRIOR FILING DATE: 1999-07-30
PRIOR APPLICATION NUMBER: 60/170,906
PRIOR FILING DATE: 1999-12-15
PRIOR APPLICATION NUMBER: 60/172,959
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/172,946
PRIOR FILING DATE: 1999-12-21
NUMBER OF SEQ ID NOS: 204
SOFTWARE: Microsoft Office 97
SEQ ID NO 76
LENGTH: 242
TYPE: PRT
ORGANISM: Zea mays
US-09-614-912-76

Query Match 20.9%; Score 55; DB 4; Length 242;
Best Local Similarity 37.0%; Pred. No. 21;
Matches 17; Conservative 4; Mismatches 23; Indels 2; Gaps 2;

QY 1 VNSTLQGHMTSLHFWN-RSTYGQHGNAATESLGKGY-PDGGCYEQ 44
DB 29 LNEAYIHRMLTGKAFATLRLATLSMNGIITNOIGKADQSGGYYSQ 74

RESULT 35

US-09-919-039-324
; Sequence 324, Application US/09919039
; Patent No. 6727066
; GENERAL INFORMATION:
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
; FILE REFERENCE: PA-0035 US
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/222,113
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 401
; SOFTWARE: PERL Program
; SEQ ID NO 324
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6727066 1813444CD1
US-09-919-039-324

Query Match 20.9%; Score 55; DB 4; Length 462;
Best Local Similarity 40.0%; Pred. No. 45;
Matches 10; Conservative 5; Mismatches 10; Indels 0; Gaps 0;

QY 19 STYGQHGNAATESLGKGYPDGGCYEQ 43
DB 108 STSGSYSSQSSSYGQFGSGSYQ 132

RESULT 36

US-09-538-092-1080
; Sequence 1080, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Glot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratSeqFormatter Version 0.9
; SEQ ID NO 1080
; LENGTH: 526
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P35637
US-09-538-092-1080

Query Match 20.9%; Score 55; DB 4; Length 526;
Best Local Similarity 40.0%; Pred. No. 53;
Matches 10; Conservative 5; Mismatches 10; Indels 0; Gaps 0;

QY 19 STYGQHGNAATESLGKGYPDGGCYEQ 43
DB 108 STSGSYSSQSSSYGQFGSGSYQ 132

RESULT 37

US-09-570-367C-21
; Sequence 21, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-570-367C-21

Query Match 20.7%; Score 54.5; DB 3; Length 278;
Best Local Similarity 32.4%; Pred. No. 29;
Matches 12; Conservative 4; Mismatches 6; Indels 15; Gaps 1;

QY 9 MHTSLHFWNRSTYGQHGNAATESLGKGYPDGGCYEQ 45
DB 102 LNTSITFWNTT-----LDDGGCYMCLF 123

RESULT 38

US-09-915-524-21
; Sequence 21, Application US/09915524
; Patent No. 6652858
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; APPLICANT: Clark, David A.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-38
; CURRENT APPLICATION NUMBER: US/09/915,524
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-915-524-21

Query Match 20.7%; Score 54.5; DB 4; Length 278;
Best Local Similarity 32.4%; Pred. No. 29;
Matches 12; Conservative 4; Mismatches 6; Indels 15; Gaps 1;

QY 9 MHTSLHFWNRSTYGQHGNAATESLGKGYPDGGCYEQ 45
DB 102 LNTSITFWNTT-----LDDGGCYMCLF 123

RESULT 39

US-09-934-634-21
; Sequence 21, Application US/09934634
; Patent No. 6749854
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; APPLICANT: Clark, David A.
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility
; FILE REFERENCE: 9579-34
; CURRENT APPLICATION NUMBER: US/09/934,634
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/570,367
; PRIOR FILING DATE: 1998-05-05

NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.0
SEQ ID NO 21
LENGTH: 278
TYPE: PRT
ORGANISM: Rattus norvegicus
US-09-934-634-21

Query Match 20.7% Score 54.5; DB 4; Length 278;
Best Local Similarity 32.4%; Pred. No. 29;
Matches 12; Conservative 4; Mismatches 6; Indels 15; Gaps 1;

QY 9 MHTSLHFNWNRSTYGGHGNATESLGKGYPDGGCYEQLF 45
:::|::|::|
Db 102 LNTSITFWNTT-----LDDGGCYWCLF 123

RESULT 40
US-09-443-067-30
Sequence 30, Application US/09443067
Patent No. 6627794
GENERAL INFORMATION:
APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
APPLICANT: ORGANISATION
TITLE OF INVENTION: Polyphenol oxidase genes from banana, lettuce, tobacco and
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/09/443,067
CURRENT FILING DATE: 1999-11-18
EARLIER APPLICATION NUMBER: US 08/976, 222
EARLIER FILING DATE: 1997-11-21
EARLIER APPLICATION NUMBER: PCT/AU98/00362
EARLIER FILING DATE: 1998-05-19
EARLIER APPLICATION NUMBER: AU PP3898
EARLIER FILING DATE: 1995-05-23
EARLIER APPLICATION NUMBER: AU PP6849
EARLIER FILING DATE: 1997-05-19
EARLIER APPLICATION NUMBER: AU PP5600
EARLIER FILING DATE: 1995-09-26
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 609
TYPE: PRT
ORGANISM: lettuce
US-09-443-067-30

Query Match 20.7% Score 54.5; DB 4; Length 609;
Best Local Similarity 32.6%; Pred. No. 72;
Matches 15; Conservative 8; Mismatches 10; Indels 13; Gaps 3;

QY 4 TLQHGNTSLHFNWNRSTYGGHGNATSTESLGKGYPDGGCYEQLF 45
:::|::|::|
Db 342 TVEAGVHTAAHRM-----VGNSTRANSEDMGNFYSG-YDPLF 378

Search completed: November 17, 2004, 14:59:48
Job time : 46.2308 secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:54:39 ; Search time 89.641 Seconds
(without alignments)
181.723 Million cell updates/sec

Title: US-09-884-211b-4_COPY_1_46
Perfect score: 263
Sequence: 1 MNSTLQHGMRSLHFWRNST.....ATSLGKGYPDGCEQLFV 46

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	263	100.0	332	10	US-09-884-211A-4
2	227	86.3	332	10	US-09-884-211A-3
3	188.5	71.7	332	10	US-09-876-252-74
4	188.5	71.7	332	10	US-09-876-252-136
5	188.5	71.7	332	14	US-10-226-594-4
6	188.5	71.7	332	14	US-10-207-330-9
7	188.5	71.7	332	14	US-10-225-567A-158
8	188.5	71.7	332	14	US-10-318-661-27
9	188.5	71.7	332	14	US-10-413-752-2
10	188.5	71.7	332	14	US-10-413-752-6
11	188.5	71.7	332	14	US-10-417-820A-74
12	188.5	71.7	332	14	US-10-417-820A-136
13	188.5	71.7	332	16	US-10-723-955-74

14	188.5	71.7	332	16	US-10-723-955-136	Sequence 136, App
15	182.5	69.4	332	14	US-10-288-160-16	Sequence 16, App1
16	182.5	69.4	332	14	US-10-074-754-2	Sequence 2, App1
17	178.5	67.9	332	14	US-10-373-355-2	Sequence 2, App1
18	177	67.3	332	10	US-09-910-180-2	Sequence 2, App1
19	174.5	66.3	332	14	US-10-207-330-6	Sequence 5, App1
20	163	62.0	43	10	US-09-910-180-5	Sequence 5, App1
21	148.5	56.5	39	14	US-10-207-330-7	Sequence 7, App1
22	82	31.2	17	14	US-10-225-567A-1061	Sequence 1061, Ap
23	78.5	29.8	20	14	US-10-225-567A-1064	Sequence 1064, Ap
24	64	24.3	212	15	US-10-424-599-205902	Sequence 205902
25	62	23.6	237	15	US-10-289-762-556	Sequence 556, App
26	62	23.6	237	15	US-10-282-122A-54775	Sequence 54775, A
27	61.5	23.4	51	8	US-08-424-5508-324	Sequence 324, App
28	59.5	22.6	249	10	US-09-880-748-455	Sequence 455, App
29	59.5	22.6	249	14	US-10-293-418-455	Sequence 455, App
30	58	22.1	291	17	US-10-425-115-224155	Sequence 224155
31	58	22.1	469	14	US-10-360-849A-36	Sequence 36, App1
32	58	22.1	656	9	US-09-862-027-30	Sequence 30, App1
33	57	21.7	181	9	US-09-922-683-6	Sequence 6, App1
34	57	21.7	325	9	US-09-922-683-11	Sequence 11, App1
35	56.5	21.5	264	17	US-10-425-115-326310	Sequence 326310
36	56.5	21.5	1256	14	US-10-369-493-13988	Sequence 13988, A
37	56	21.3	285	16	US-10-437-963-123794	Sequence 123794
38	56	21.3	472	15	US-10-421-654-42	Sequence 42, App1
39	56	21.3	490	15	US-10-421-654-52	Sequence 52, App1
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43	55	20.9	112	15	US-10-424-599-269136	Sequence 269136
44	55	20.9	392	17	US-10-425-115-334712	Sequence 334712
45	55	20.9	397	14	US-10-369-493-5470	Sequence 5470, Ap

ALIGNMENTS

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RESULT 1
US-09-884-211A-4
; Sequence 4, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et. al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; FILE REFERENCE: PCT/07/43A
; CURRENT APPLICATION NUMBER: US/09/884, 211A
; CURRENT FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213, 909
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Canine MCR protein Sequence
US-09-884-211A-4

Query Match      100.0%; Score 263; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 1,7e-26;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MNSTLQHGMRSLHFWRNSTYGGHGNATSLGKGYPDGCEQLFV 46

RESULT 2
US-09-884-211A-3
; Sequence 3, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:

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APPLICANT: Alan et. al.
TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
FILE REFERENCE: PC10743A
CURRENT APPLICATION NUMBER: US/09/884,211A
CURRENT FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/213,909
PRIOR FILING DATE: 2000-06-26
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 332
TYPE: PRT
ORGANISM: Feline MC4R protein Sequence
US-09-884-211A-3

Query Match      86.3%; Score 227; DB 10; Length 332;
Best Local Similarity 87.0%; Pred. No. 1,1e-21;
Matches 40; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Cy 1 NSTLHGQMTSLHFMNRSTYGQHGNTESLGKGYPDGCGYEQLFV 46
Db 1 NSTLHGQMTSLHFMNRSTYGQHGNTESLGKGYPDGCGYEQLFV 46

RESULT 3
US-09-876-252-74
Sequence 74, Application US/09876252
Publication No. US20030018182A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulsma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huang T.
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
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PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,127
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,131
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/141,448
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/156,555
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,634
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,653
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/157,280
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,294
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,281
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,282
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/156,633
PRIOR FILING DATE: 1999-09-29
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.0
SEQ ID NO 74
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-09-876-252-74

Query Match      71.7%; Score 188.5; DB 10; Length 332;
Best Local Similarity 76.1%; Pred. No. 1,4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy 1 NSTLHGQMTSLHFMNRSTYGQHGNTESLGKGYPDGCGYEQLFV 46
Db 2 VNST-HRQMTSLHFMNRSSYRLHNSAESLGKGYPDGCGYEQLFV 46

RESULT 4
US-09-876-252-136
Sequence 136, Application US/09876252
Publication No. US20030018182A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulsma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huang T.
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
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; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
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; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
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; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-876-252-136

Query Match      71.7%; Score 188.5; DB 10; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

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RESULT 5
US-10-226-594-4
; Sequence 4, Application US/10226594
; Publication No. US20030017966A1
; GENERAL INFORMATION:
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; APPLICANT: Duman, Ronald
; TITLE OF INVENTION: MC-4R AS A TARGET FOR THE IDENTIFICATION OF COMPOUNDS
; TITLE OF INVENTION: USED TO TREAT DRUG ADDICTION
; FILE REFERENCE: 07334-101001
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US/10/226,594
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US/09/385,763
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US 60/099,104
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-226-594-4

Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy      1  MNSTLQHGMTSLHFNRSSTYGQGNATSESLGKGYPDGCGYEQLFV 46
      :||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      2  VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 6
US-10-207-330-9
; Sequence 9, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochenderfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Bocelli, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: of Membrane Polypeptides
; FILE REFERENCE: grfn-026/02MO
; CURRENT APPLICATION NUMBER: US/10/207,330
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31/263,971
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; US-10-207-330-9

Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Cy      1  MNSTLQHGMTSLHFNRSSTYGQGNATSESLGKGYPDGCGYEQLFV 46
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Db      2  VNST-HRGMHTSLHLMNRSYRLHNSNASESLGKGYSDGCGYEQLFV 46

RESULT 7
US-10-225-567A-158
; Sequence 158, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
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; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 158
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-158

Query Match
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Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

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2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 8
; Sequence 27, Application US/10316661
; Publication No. US20030167476A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Bruce R.
; TITLE OF INVENTION: Selective Target Cell Activation By
; TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
; FILE REFERENCE: UCAL-049C1P2
; CURRENT APPLICATION NUMBER: US/10/318,661
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 09/341,446
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US97/05334
; PRIOR FILING DATE: 1997-03-25
; PRIOR APPLICATION NUMBER: US 08/622,348
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 27
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-318-661-27

Query Match
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Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

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2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 9
; Sequence 2, Application US/10413752
; Publication No. US20030171295A1
; GENERAL INFORMATION:
; APPLICANT: Frank Lee
; APPLICANT: Dennis Huszar
; APPLICANT: Wei Gu
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
; TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-145
; CURRENT APPLICATION NUMBER: US/10/413,752
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; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US/09/322,695
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/662,560
; PRIOR FILING DATE: 1996-06-10
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-413-752-2

Query Match
Best Local Similarity 76.1%; Score 188.5; DB 14; Length 332;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db
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2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 10
; Sequence 6, Application US/10413752
; Publication No. US20030171295A1
; GENERAL INFORMATION:
; APPLICANT: Frank Lee
; APPLICANT: Dennis Huszar
; APPLICANT: Wei Gu
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
; TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-145
; CURRENT APPLICATION NUMBER: US/10/413,752
; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US/09/322,695
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/662,560
; PRIOR FILING DATE: 1996-06-10
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Rattus sp.
US-10-413-752-6

Query Match
Best Local Similarity 76.1%; Score 188.5; DB 14; Length 332;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db
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2 VNST-HRGMHTSLHLMNRSYRLHSNASESLGKGYSDGCGYEQLFV 46

RESULT 11
; Sequence 74, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behar, Dominic P.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: 7.US28.CON
; CURRENT APPLICATION NUMBER: US/10/417,820A
; CURRENT FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
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; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-820A-74
```

```

Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
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```

Qy      1  MNSTLQHGMTSLHFNMRSTYGQGNATSESGKGYPDGCGYEQLFV 46
          :|||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db      2  VNST-HRGMHTSLHFNMRSTRHNSASESGKGYSDGCGYEQLFV 46
```

```

RESULT 12
US-10-417-820A-136
; Sequence 136, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lowitz, Kevin
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7, US28, CON
; CURRENT APPLICATION NUMBER: US/10/417,820A
; PRIOR FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 155
```

```

; SOFTWARE: Patentin version 3.2
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-820A-136
```

```

Query Match      71.7%; Score 188.5; DB 14; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
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```

Qy      1  MNSTLQHGMTSLHFNMRSTYGQGNATSESGKGYPDGCGYEQLFV 46
          :|||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db      2  VNST-HRGMHTSLHFNMRSTRHNSASESGKGYSDGCGYEQLFV 46
```

```

RESULT 13
US-10-723-955-74
; Sequence 74, Application US/10723955
; Publication No. US20040110238A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lin, I-Lin
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lehman-Bruinema, Karin
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Gore, Martin
; APPLICANT: White, Carol
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; FILE REFERENCE: 7, US29, CON
; CURRENT APPLICATION NUMBER: US/10/723,955
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 10/417,820
; PRIOR FILING DATE: 2003-4-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-955-74
```

```

Query Match      71.7%; Score 188.5; DB 16; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
```

```

Qy      1  MNSTLQHGMTSLHFNMRSTYGQGNATSESGKGYPDGCGYEQLFV 46
          :|||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db      2  VNST-HRGMHTSLHFNMRSTRHNSASESGKGYSDGCGYEQLFV 46
```

RESULT 14
US-10-723-955-136
Sequence 136, Application US/10723955
Publication No. US20040110238A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Lin, I-Lin
APPLICANT: Liaw, Chen W.
APPLICANT: Lehman-Bruinsma, Karin
APPLICANT: Lowitz, Kevin P.
APPLICANT: Dang, Huang T.
APPLICANT: Chen, Ruoping
APPLICANT: Gore, Martin
APPLICANT: White, Carol
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
RECEPTOR
FILE REFERENCE: 7.US29.CON
CURRENT APPLICATION NUMBER: US/10/723,955
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: 10/417,820
PRIOR FILING DATE: 2003-4-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 148
SOFTWARE: PatentIn version 3.2
SEQ ID NO 136
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-723-955-136

Query Match 71.7%; Score 188.5; DB 16; Length 332;
Best Local Similarity 76.1%; Pred. No. 1.4e-16;
Matches 35; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

Db 1 MNSTLQGHMTSLHFMNRSTYGQGNATBSLGKGYDPDGGCYEQLFV 46
2 VNST-HRGMHTSLHFMNRSSYRLHNSNASESLGKGYSDGCGYEQLEFV 46

RESULT 15
US-10-288-160-16
Sequence 16, Application US/10288160
Publication No. US20030105024A1
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Boston, Bruce A
APPLICANT: Kesterlton, Robert A
APPLICANT: Lu, Dongxi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
Using Mammalian Melanocortin Receptor Agonists and Antagonists
To Modulate Feeding Behavior in Animals

NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/288,160
FILING DATE: 05-Nov-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281
FILING DATE: 04-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: No. US20030105024A1man, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-288-160-16

Query Match 69.4%; Score 182.5; DB 14; Length 332;
Best Local Similarity 73.9%; Pred. No. 8.9e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

Db 1 MNSTLQGHMTSLHFMNRSTYGQGNATBSLGKGYDPDGGCYEQLFV 46
2 VNST-HRGMHTSLHFMNRSSYRLHNSNASESLGKGYSDGCGYEQLEFV 46

RESULT 16
US-10-074-754-2
Sequence 2, Application US/10074754
Publication No. US20030113263A1
GENERAL INFORMATION:
APPLICANT: Marks, Daniel L.
APPLICANT: Cone, Roger D.
TITLE OF INVENTION: Methods and Reagents for Discovering and Using
Mammalian Melanocortin Receptor Antagonists to Treat
FILE REFERENCE: 96-886
CURRENT APPLICATION NUMBER: US/10/074,754
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-074-754-2

Query Match 69.4%; Score 182.5; DB 14; Length 332;
Best Local Similarity 73.9%; Pred. No. 8.9e-16;
Matches 34; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

Db 1 MNSTLQGHMTSLHFMNRSTYGQGNATBSLGKGYDPDGGCYEQLFV 46
2 VNST-HRGMHTSLHFMNRSSYRLHNSNASESLGKGYSDGCGYEQLEFV 46

Db 2 VNSTR-HRGMHTSLHLMNRSSYRLHNSASESLGKGYSDGCGYAEQLFV 46

RESULT 17

US-10-373-355-2

; Sequence 2, Application US/10373355

; Publication No. US20030166009A1

; GENERAL INFORMATION:

; APPLICANT: Macneil, Douglas J.

; APPLICANT: Weinberg, David H.

; APPLICANT: Van der Ploeg, Leonardus H. T.

; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN

; TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY

; FILE REFERENCE: 20190P

; CURRENT APPLICATION NUMBER: US/10/373,355

; CURRENT FILING DATE: 2003-02-25

; PRIOR APPLICATION NUMBER: US/09/831,206

; PRIOR FILING DATE: 2001-06-28

; PRIOR APPLICATION NUMBER: PCT/US99/25767

; PRIOR FILING DATE: 1999-11-05

; PRIOR APPLICATION NUMBER: 60/107,721

; PRIOR FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 332

; TYPE: PRT

; ORGANISM: rhesus monkey (Macaca mulatta)

US-10-373-355-2

Query Match 67.9%; Score 178.5; DB 14; Length 332;

Best Local Similarity 71.7%; Pred. No. 3e-15;

Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLHFMNRSTYGOHGNATESLGKGYSDGCGYAEQLFV 46

Db 2 VNSTR-HRGMHTSLHLMNRSSYRLHNSASESLGKGYSDGCGYAEQLFV 46

RESULT 18

US-09-910-180-2

; Sequence 2, Application US/09910180

; Publication No. US20030082678A1

; GENERAL INFORMATION:

; APPLICANT: Heitung, Hansen

; APPLICANT: Smith, Dennis

; APPLICANT: Zhang, Xing-Yue

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPE

; FILE REFERENCE: P-12621

; CURRENT APPLICATION NUMBER: US/09/910,180

; CURRENT FILING DATE: 2002-04-11

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 332

; TYPE: PRT

; ORGANISM: Bovine

US-09-910-180-2

Query Match 67.3%; Score 177; DB 10; Length 332;

Best Local Similarity 71.7%; Pred. No. 4.8e-15;

Matches 33; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

QY 1 MNSTLQHGHTSLHFMNRSTYGOHGNATESLGKGYSDGCGYAEQLFV 46

Db 1 MNSTPLGHTSLHSMNRSAHGMPNTVSESLAKGYSDGCGYAEQLFV 46

RESULT 19

US-10-207-330-6

; Sequence 6, Application US/10207330

; Publication No. US20030018169A1

; GENERAL INFORMATION:

; APPLICANT: Kochendoerfer, Gerd G

; APPLICANT: Hunter, Christie L

; APPLICANT: Kent, Stephen B.H.

; APPLICANT: Botti, Paolo

; APPLICANT: Gryphon Sciences

; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis

; TITLE OF INVENTION: of Membrane Polypeptides

; FILE REFERENCE: grfn-028/02MO

; CURRENT APPLICATION NUMBER: US/10/207,330

; CURRENT FILING DATE: 2002-07-30

; PRIOR APPLICATION NUMBER: US/09/384,302

; PRIOR FILING DATE: 1999-08-26

; PRIOR APPLICATION NUMBER: 09/144,964

; PRIOR FILING DATE: 1998-08-31

; PRIOR APPLICATION NUMBER: 09/263,971

; PRIOR FILING DATE: 1999-03-05

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 6

; LENGTH: 332

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-207-330-6

Query Match 66.3%; Score 174.5; DB 14; Length 332;

Best Local Similarity 71.7%; Pred. No. 1e-14;

Matches 33; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

QY 1 MNSTLQHGHTSLHFMNRSTYGOHGNATESLGKGYSDGCGYAEQLFV 46

Db 2 VNSTR-HRGMHTSLHLMNRSSYRLHNSASESLGKGYSDGCGYAEQLFV 46

RESULT 20

US-09-910-180-5

; Sequence 5, Application US/09910180

; Publication No. US20030082678A1

; GENERAL INFORMATION:

; APPLICANT: Heitung, Hansen

; APPLICANT: Smith, Dennis

; APPLICANT: Zhang, Xing-Yue

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPE

; FILE REFERENCE: P-12621

; CURRENT APPLICATION NUMBER: US/09/910,180

; CURRENT FILING DATE: 2002-04-11

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 5

; LENGTH: 43

; TYPE: PRT

; ORGANISM: Bovine

US-09-910-180-5

Query Match 62.0%; Score 163; DB 10; Length 43;

Best Local Similarity 65.8%; Pred. No. 3.8e-14;

Matches 30; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

QY 1 MNSTLQHGHTSLHFMNRSTYGOHGNATESLGKGYSDGCGYAEQ 43

Db 1 MNSTPLGHTSLHSMNRSAHGMPNTVSESLAKGYSDGCGYAEQ 43

RESULT 21

US-10-207-330-7

; Sequence 7, Application US/10207330

; Publication No. US20030018169A1

; GENERAL INFORMATION:

; APPLICANT: Kochendoerfer, Gerd G

; APPLICANT: Hunter, Christie L

; APPLICANT: Kent, Stephen B.H.

; APPLICANT: Botti, Paolo

```
APPLICANT: Gryphon Sciences
TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
FILE REFERENCE: gtfh-028/02MO
CURRENT APPLICATION NUMBER: US/10/207,330
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US/09/384,302
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: 09/144,964
PRIOR FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 09/263,971
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 7
LENGTH: 39
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-207-330-7
```

```
Query Match          56.5%; Score 148.5; DB 14; Length 39;
Best Local Similarity 71.8%; Pred. No. 2.9e-12;
Matches 28; Conservative 3; Mismatches 7; Indels 1; Gaps 1;
```

```
QY      1  MNSTLQHGMTSLHFWRNSTYGGHGNATESLGKGYPDGG 39
Db      2  VNST-HRGMHTSLHLMNRSSYRLHNSMSESLGKGYSDGC 39
```

```
RESULT 22
US-10-225-567A-1061
Sequence 1061, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burner, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1061
LENGTH: 17
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-1061
```

```
Query Match          31.2%; Score 82; DB 14; Length 17;
Best Local Similarity 82.4%; Pred. No. 0.00084;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      24  HGNATESLGKGYPDGGC 40
Db      1  HSNASESLGKGYSDGC 17
```

```
RESULT 23
US-10-225-567A-1064
Sequence 1064, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burner, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
```

```
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1064
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-1064
```

```
Query Match          29.8%; Score 78.5; DB 14; Length 20;
Best Local Similarity 75.0%; Pred. No. 0.0029;
Matches 15; Conservative 1; Mismatches 3; Indels 1; Gaps 1;
```

```
QY      2  NSTLQHGMTSLHFWRNSTY 21
Db      1  NST-HRGMHTSLHLMNRSSY 19
```

```
RESULT 24
US-10-424-599-205902
Sequence 205902, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J
APPLICANT: Kovacic, David K
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21 (53223) B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 205902
LENGTH: 212
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_27958C.1.pep
US-10-424-599-205902
```

```
Query Match          24.3%; Score 64; DB 15; Length 212;
Best Local Similarity 35.7%; Pred. No. 3.3;
Matches 15; Conservative 4; Mismatches 13; Indels 10; Gaps 1;
```

```
QY      6  QHGMTSLHFWRNSTYGOH-----GNATESLGKGYPD 37
Db      128  QCGMHSQLGWSSSGQLHWLQSEATNVGGMATIGTGGGFPD 169
```

```
RESULT 25
US-10-289-762-556
Sequence 556, Application US/10289762
Publication No. US20040006218A1
GENERAL INFORMATION:
APPLICANT: Griffiths, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/10/289,762
CURRENT FILING DATE: 2003-03-27
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 556
LENGTH: 237
TYPE: PRT
ORGANISM: Chlamydia pneumoniae
US-10-289-762-556
```

Query Match 23.6%; Score 62; DB 15; Length 237;
Best Local Similarity 44.1%; Pred. No. 6.9;
Matches 15; Conservative 2; Mismatches 7; Indels 10; Gaps 2;

Qy 2 NSTLGHGHTSLHFWNRSTYGOHGNATESLGKGY 35
Db 32 NTIISLGMRHFWNRSTYGOHGNATESLGKGY 55

RESULT 26

US-10-282-122A-54775
; Sequence 54775, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangou
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykend, Judith
; APPLICANT: Trawick, John
; APPLICANT: Cair, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: EUTRA.034A
; CURRENT APPLICATION NUMBER: US/10/282.122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54775
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-10-282-122A-54775

Query Match 23.6%; Score 62; DB 15; Length 237;
Best Local Similarity 44.1%; Pred. No. 6.9;
Matches 15; Conservative 2; Mismatches 7; Indels 10; Gaps 2;

Qy 2 NSTLGHGHTSLHFWNRSTYGOHGNATESLGKGY 35
Db 32 NTIISLGMRHFWNRSTYGOHGNATESLGKGY 55

RESULT 27
US-08-424-550B-324
; Sequence 324, Application US/08424550B
; Publication No. US20020119447A1
; GENERAL INFORMATION:

APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAMSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEART
; APPLICANT: ANTHONY SCOTT MUEHROFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAMMAR

; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/APed
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA

ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550B
; FILING DATE:

CLASSIFICATION: 435435
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 324:

SEQUENCE CHARACTERISTICS:
; LENGTH: 51 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-424-550B-324

Query Match 23.4%; Score 61.5; DB 8; Length 51;
Best Local Similarity 42.9%; Pred. No. 1.5;
Matches 18; Conservative 5; Mismatches 8; Indels 11; Gaps 5;

Qy 8 GHTSLHFWNRSTYGOHGNATESLGKGY--DG--GCTEQL 44
Db 10 GLH-SLHGMT-GAIGRFQDG---GGGYPTLDDVSGCSDQL 45

RESULT 28
US-09-880-748-455
; Sequence 455, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:

APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 455
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-455

Query Match 22.6%; Score 59.5; DB 10; Length 249;
Best Local Similarity 46.7%; Pred. No. 16;
Matches 14; Conservative 0; Mismatches 11; Indels 5; Gaps 1;

Qy 10 HTSLHPNRSYTGQHGNAATESLGKYPDGG 39
Db 107 HTPLHFWGRGTM-----VTVSSGGGGGGGG 131

RESULT 29
US-10-293-418-455
Sequence 455, Application US/10293418
Publication No. US2003022396A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: P5323P2
CURRENT APPLICATION NUMBER: US/10/293,418
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO: 455
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-293-418-455

Query Match 22.6%; Score 59.5; DB 14; Length 249;
Best Local Similarity 46.7%; Pred. No. 16;
Matches 14; Conservative 0; Mismatches 11; Indels 5; Gaps 1;

Qy 10 HTSLHPNRSYTGQHGNAATESLGKYPDGG 39
Db 107 HTPLHFWGRGTM-----VTVSSGGGGGGGG 131

RESULT 30
US-10-425-115-224155
Sequence 224155, Application US/10425115
Publication No. US2004021272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongmei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326
SEQ ID NO: 224155
LENGTH: 91
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
NAME/KEY: unsure
LOCATION: (1) (91)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: MFT4577_136017C.1.pcp
US-10-425-115-224155

Query Match 22.1%; Score 58; DB 17; Length 91;
Best Local Similarity 54.5%; Pred. No. 8.2;
Matches 12; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 18 RSTYGOHGNAATESLGKYPDGG 39
Db 49 RTETGKQGPATESXPKGAPNCG 70

RESULT 31
US-10-360-849A-36
Sequence 36, Application US/10360849A
Publication No. US20030220249A1
GENERAL INFORMATION:
APPLICANT: Discovery Genomics, Inc.
APPLICANT: Hackert, Perry
APPLICANT: Naevevicus, Aldas
APPLICANT: Essener, Jeffrey
APPLICANT: Clark, Karl
APPLICANT: Larson, Jon
APPLICANT: Ekker, Stephen
APPLICANT: Roberg-Perez, Sharon
APPLICANT: Wadman, Shannon
TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,
FILE REFERENCE: 3021.05US02
CURRENT APPLICATION NUMBER: US/10/360,849A
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: US 60/354,978
PRIOR FILING DATE: 2002-02-07
NUMBER OF SEQ ID NOS: 72
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 36
LENGTH: 469
TYPE: PRT
ORGANISM: homo sapiens
US-10-360-849A-36

Query Match 22.1%; Score 58; DB 14; Length 469;
Best Local Similarity 35.0%; Pred. No. 50;
Matches 14; Conservative 7; Mismatches 17; Indels 2; Gaps 2;

Qy 7 HGMTSLHPNRSYTG-QHGNAATESLGKYPDGGCYEOLF 45
Db 64 HG-HTHESIWHGRTDHDHGHSHEDLHGHSHGYSHESLY 102

RESULT 32
US-09-862-027-30
Sequence 30, Application US/09862027
Patent No. US20020142428A1
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
TITLE OF INVENTION: No. US20020142428A1 Kinases and Uses Thereof
FILE REFERENCE: 35800/234862
CURRENT APPLICATION NUMBER: US/09/862,027
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: US 09/345,473
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 82

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 30
LENGTH: 656
TYPE: PRT
ORGANISM: Mus musculus
US-09-862-027-30

Query Match 22.1%; Score 58; DB 9; Length 656;
Best Local Similarity 47.6%; Pred. No. 72;
Matches 10; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 16 WNRSTYGGHGNATSLGKGY 36
DB 460 WNNGLYNQHGFGTGTGVWYP 480

RESULT 33

US-09-922-683-6
Sequence 6, Application US/09922683
Publication No. US20020192793A1
GENERAL INFORMATION:

APPLICANT: DECKER, Heinrich
TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
GLA.O AND THEIR USE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/922,683
FILING DATE: 07-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/194,905
FILING DATE: 1999-12-01
APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996

ATTORNEY/AGENT INFORMATION:

NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399

SEQUENCE CHARACTERISTICS:

LENGTH: 181 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-922-683-6

Query Match 21.7%; Score 57; DB 9; Length 181;
Best Local Similarity 37.5%; Pred. No. 24;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;

QY 1 MNSTLQHGHTSLHFWNSTYGO--HGNATES 30
DB 104 LDAALRHGVRTLVHSTDEVYGS LPHGAAS 135

RESULT 34

US-09-922-683-11
Sequence 11, Application US/09922683
Publication No. US20020192793A1
GENERAL INFORMATION:

APPLICANT: DECKER, Heinrich
TITLE OF INVENTION: ISOLATION OF THE BIOSYNTHESIS GENES FOR
PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
GLA.O AND THEIR USE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/922,683
FILING DATE: 07-Aug-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/194,905
FILING DATE: 1999-12-01
APPLICATION NUMBER: DE 19622783.6
FILING DATE: 07-JUN-1996

ATTORNEY/AGENT INFORMATION:

NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 026083/0193
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5399
TELEFAX: (202) 672-5399

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-922-683-11

Query Match 21.7%; Score 57; DB 9; Length 325;
Best Local Similarity 37.5%; Pred. No. 45;
Matches 12; Conservative 6; Mismatches 12; Indels 2; Gaps 1;

QY 1 MNSTLQHGHTSLHFWNSTYGO--HGNATES 30
DB 111 LDAALRHGVRTLVHSTDEVYGS LPHGAAS 142

RESULT 35

US-10-425-115-326310
Sequence 326310, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalick, David K.
APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 326310

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; LENGTH: 264
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_60666C.1.pep
US-10-425-115-326310

Query Match
Best Local Similarity 21.5%; Score 56.5; DB 17; Length 264;
Matches 14; Conservative 2; Mismatches 6; Indels 11; Gaps 2;

OY 16 WNRSTYGOHGN-----ATESLKGYPDGG 39
Db 71 WNR--HGIGHRVLRHHRVATRRGCGPDG 101

RESULT 36
US-10-369-493-13988
; Sequence 13988, Application US/10369493
; Publication No. US2003023575A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xiandeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 2002-02-21
; SEQ ID NO 13988
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Pseudomonas fluorescens
US-10-369-493-13988

Query Match
Best Local Similarity 21.5%; Score 56.5; DB 14; Length 1256;
Matches 14; Conservative 5; Mismatches 9; Indels 15; Gaps 2;

OY 10 HTSLHFMNRSTY-----GCHGNATESLKG-----YPD 37
Db 531 YLAFYFWLRQTYGAHGVTHVGKGNLEWLPKGKGLSENCPD 573

RESULT 37
US-10-437-963-123794
; Sequence 123794, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; PRIOR FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 123794
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_26594C.1.pep
US-10-437-963-123794

Query Match
Best Local Similarity 21.3%; Score 56; DB 16; Length 285;
Matches 12; Conservative 3; Mismatches 16; Indels 0; Gaps 0;

OY 1 MNSTLQGMHTSLHFMNRSTYGOHGNATESL 31
Db 159 VNEAMEGMRGSRAPMWHGTRNQGNSGASL 189

RESULT 38
US-10-421-654-42
; Sequence 42, Application US/10421654
; Publication No. US20040005604A1
; GENERAL INFORMATION:
; APPLICANT: Gramatikova, Svetlana
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Lam, David E.
; APPLICANT: Barton, Nelson R.
; TITLE OF INVENTION: PHOSPHOLIPASES, NUCLEIC ACIDS ENCODING THEM AND
; FILE REFERENCE: 09010-094001
; CURRENT APPLICATION NUMBER: US/10/421,654
; PRIOR FILING DATE: 2003-04-21
; PRIOR APPLICATION NUMBER: US 60/374,313
; NUMBER OF SEQ ID NOS: 2002-04-19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-421-654-42

Query Match
Best Local Similarity 21.3%; Score 56; DB 15; Length 472;
Matches 13; Conservative 5; Mismatches 15; Indels 4; Gaps 1;

OY 7 HGMHTSLHFMNRSTYGOHGNATESLG---KGYPDG 39
Db 122 HSLGTLAEINAAKYGLHGETFNAYGAASLKGIPDG 158

RESULT 39
US-10-421-654-24
; Sequence 24, Application US/10421654
; Publication No. US20040005604A1
; GENERAL INFORMATION:
; APPLICANT: Gramatikova, Svetlana
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Lam, David E.
; APPLICANT: Barton, Nelson R.
; TITLE OF INVENTION: PHOSPHOLIPASES, NUCLEIC ACIDS ENCODING THEM AND
; FILE REFERENCE: 09010-094001
; CURRENT APPLICATION NUMBER: US/10/421,654
; PRIOR FILING DATE: 2003-04-21
; PRIOR APPLICATION NUMBER: US 60/374,313
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 490
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-421-654-24
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Query Match 21.3%; Score 56; DB 15; Length 490;
 Best Local Similarity 35.1%; Pred. No. 96;
 Matches 13; Conservative 5; Mismatches 15; Indels 4; Gaps 1;

OY 7 HGMHTSLHFMNRSTYGOHGNATESLG---KGYPDGG 39
 DB 122 HSLGGTLAEINAKYGLHGETFNAYGAASLKGIPGG 158

RESULT 40
 US-10-421-654-52
 ; Sequence 52, Application US/10421654
 ; Publication No. US20040005604A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gramatikova, Svetlana
 ; APPLICANT: Hazlewood, Geoff
 ; APPLICANT: Lam, David E.
 ; APPLICANT: Barton, Nelson R.
 ; TITLE OF INVENTION: PHOSPHOLIPASES, NUCLEIC ACIDS ENCODING THEM AND
 ; FILE REFERENCE: 09010-094001
 ; CURRENT APPLICATION NUMBER: US/10/421,654
 ; CURRENT FILING DATE: 2003-04-21
 ; PRIOR APPLICATION NUMBER: US 60/374,313
 ; PRIOR FILING DATE: 2002-04-19
 ; NUMBER OF SEQ ID NOS: 106
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 52
 ; LENGTH: 493
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: Obtained from an environmental sample
 US-10-421-654-52

Query Match 21.3%; Score 56; DB 15; Length 493;
 Best Local Similarity 35.1%; Pred. No. 97;
 Matches 13; Conservative 5; Mismatches 15; Indels 4; Gaps 1;

OY 7 HGMHTSLHFMNRSTYGOHGNATESLG---KGYPDGG 39
 DB 122 HSLGGTLAEINAKYGLHGETFNAYGAASLKGIPGG 158

Search completed: November 17, 2004, 15:02:50
 Job time : 94.641 secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:42:52 ; Search time 25.9615 Seconds
(without alignments)
68.971 Million cell updates/sec

Title: US-09-884-211b-4_COPY_98_124
Perfect score: 131
Sequence: 1 GSEITVITLNSTDTDAQSFVNIDNV 27

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	130	99.2	293	4 US-09-384-302A-8	Sequence 8, Appli
2	130	99.2	332	1 US-08-671-525B-8	Sequence 8, Appli
3	130	99.2	332	1 US-08-672-109B-8	Sequence 8, Appli
4	130	99.2	332	2 US-08-842-045-8	Sequence 8, Appli
5	130	99.2	332	2 US-08-842-238-8	Sequence 8, Appli
6	130	99.2	332	2 US-08-662-560-2	Sequence 2, Appli
7	130	99.2	332	2 US-08-780-749A-2	Sequence 2, Appli
8	130	99.2	332	2 US-08-780-749A-6	Sequence 2, Appli
9	130	99.2	332	3 US-08-629-335B-8	Sequence 6, Appli
10	130	99.2	332	3 US-08-870-511-2	Sequence 2, Appli
11	130	99.2	332	3 US-08-870-511-6	Sequence 6, Appli
12	130	99.2	332	3 US-08-870-511-8	Sequence 8, Appli
13	130	99.2	332	4 US-09-384-302A-6	Sequence 8, Appli
14	130	99.2	332	4 US-09-384-302A-9	Sequence 9, Appli
15	127	96.9	332	4 US-09-831-206-2	Sequence 2, Appli
16	125	95.4	332	3 US-08-706-281A-16	Sequence 16, Appli
17	125	95.4	332	3 US-09-097-231-16	Sequence 16, Appli
18	125	95.4	332	3 US-09-353-099-16	Sequence 16, Appli
19	124	94.7	332	3 US-08-870-511-12	Sequence 10, Appli
20	124	94.7	332	3 US-08-870-511-10	Sequence 12, Appli
21	51	38.9	607	4 US-09-248-796A-17281	Sequence 17281, A
22	48	36.6	160	4 US-09-248-796A-28148	Sequence 28148, A
23	45	34.7	675	3 US-08-947-965-76	Sequence 76, Appli
24	45	34.4	321	3 US-09-171-461-22	Sequence 22, Appli
25	45	34.4	321	4 US-09-970-711-22	Sequence 22, Appli
26	45	34.4	912	4 US-09-328-352-5323	Sequence 5323, Ap
27	44.5	34.0	325	4 US-08-387-805-16	Sequence 16, Appli

28	44.5	34.0	325	4 US-09-831-228-2	Sequence 2, Appli
29	44.5	34.0	386	4 US-09-270-767-46702	Sequence 46702, A
30	44.5	33.6	69	4 US-09-370-838-76	Sequence 76, Appli
31	44	33.6	69	4 US-09-854-133-76	Sequence 76, Appli
32	43.5	33.2	146	4 US-09-270-767-36607	Sequence 36607, A
33	43.5	33.2	146	4 US-09-270-767-51824	Sequence 51824, A
34	43.5	33.2	325	1 US-08-671-525B-10	Sequence 10, Appli
35	43.5	33.2	325	1 US-08-672-109B-10	Sequence 10, Appli
36	43.5	33.2	325	2 US-08-842-045-10	Sequence 10, Appli
37	43.5	33.2	325	2 US-08-842-238-10	Sequence 10, Appli
38	43.5	33.2	325	3 US-08-706-281A-18	Sequence 18, Appli
39	43.5	33.2	325	3 US-08-629-335B-10	Sequence 10, Appli
40	43.5	33.2	325	3 US-09-097-231-18	Sequence 18, Appli
41	43.5	33.2	325	3 US-09-353-099-18	Sequence 18, Appli
42	43.5	33.2	535	4 US-09-248-796A-24199	Sequence 24199, A
43	43	32.8	103	4 US-09-134-000C-5342	Sequence 5342, Ap
44	43	32.8	151	1 US-08-253-155A-44	Sequence 44, Appli
45	43	32.8	215	2 US-08-741-327E-13	Sequence 13, Appli

ALIGNMENTS

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RESULT 1
US-09-384-302A-8
; Sequence 8, Application US/09384302A
; Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; FILE REFERENCES: grfn-028/02MO
; CURRENT APPLICATION NUMBER: US/09/384,302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-8
Query Match          99.2%; Score 130; DB 4; Length 293;
Best local similarity 96.3%; Pred. No. 2.6e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db      59 GSEITVITLNSTDTDAQSFVNIDNV 85

RESULT 2
US-08-671-525B-8
; Sequence 8, Application US/08671525B
; Patent No. 5703220
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Ganetz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
```

CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,525B
FILING DATE: June 27, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-671-525B-8

Query Match 99.2%; Score 130; DB 1; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSPTDQSFVNINDV 27
|||:|||||
Db 98 GSEITITLNSPTDQSFVNINDV 124

RESULT 3
US-08-672-109B-8
Sequence 8, Application US/08672109B
Patent No. 5710265
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/672,109B
FILING DATE: June 27, 1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-672-109B-8

Query Match 99.2%; Score 130; DB 1; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSPTDQSFVNINDV 27
|||:|||||
Db 98 GSEITITLNSPTDQSFVNINDV 124

RESULT 4
US-08-842-045-8
Sequence 8, Application US/08842045
Patent No. 5817787
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira

TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US

ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,045
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-842-045-8

Query Match 99.2%; Score 130; DB 2; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSPTDQSFVNINDV 27
|||:|||||
Db 98 GSEITITLNSPTDQSFVNINDV 124

RESULT 5
US-08-842-238-8
Sequence 8, Application US/08842238
Patent No. 5869257
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira

TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.

```

1  APPLICANT: Lee, Frank
2  APPLICANT: Huszar, Dennis
3  APPLICANT: Gu, Wei
4  TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
5  TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
6  NUMBER OF SEQUENCES: 10
7  CORRESPONDENCE ADDRESS:
8  ADDRESSEE: Pennie & Edmonds LLP
9  STREET: 1155 Avenue of the Americas
10 CITY: New York
11 STATE: New York
12 COUNTRY: USA
13 ZIP: 10036/2711
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: Diskette
16 COMPUTER: IBM Compatible
17 OPERATING SYSTEM: DOS
18 SOFTWARE: FastSeq Version 2.0
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/08/780,749A
21 FILING DATE: 08-JAN-1997
22 CLASSIFICATION: 800
23 ATTORNEY/AGENT INFORMATION:
24 NAME: Laura A. Coruzzi
25 REGISTRATION NUMBER: 30,742
26 REFERENCE/DOCKET NUMBER: 7853-064
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: (212) 790-9090
29 TELEFAX: (212) 869-8864/9741
30 TELEX: 66141 PENNIE
31 INFORMATION FOR SEQ ID NO. 2:
32 SEQUENCE CHARACTERISTICS:
33 LENGTH: 332 amino acids
34 TYPE: amino acid
35 STRANDEDNESS:
36 TOPOLOGY: unknown
37 MOLECULE TYPE: peptide
38 US-08-780-749A-2
39
40 Query Match 99.2%; Score 130; DB 2; Length 332;
41 Best Local Similarity 96.3%; Pred. No. 3.le-12;
42 Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0
43
44 1 GSEITVITLNTSTPTDASFTVNTIDNV 27
45 |||||:|||||:|||||:|||||
46 98 GSEITVITLNTSTPTDASFTVNTIDNV 124

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RESULT 8
US-08-780-749A-6
; Sequence 6, Application US/08780749A
; Patent No. 5932779
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS
; TITLE OF INVENTION: USEFUL IN THE REGULATION OF BODY WEIGHT
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASCSQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,749A
; FILING DATE: 08-JAN-1997
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Laura A. Coruzzi
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 863-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-780-749A-6

Query Match 99.2%; Score 130; DB 2; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
|||:|||||
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 9
US-08-629-335B-8
; Sequence 8, Application US/08629335B
; Patent No. 6117975
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/629,335B
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-8

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
|||:|||||
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 10
US-08-870-511-2
; Sequence 2, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-2

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSDTDAQSFVNIDNV 27
|||:|||||
Db 98 GSEITVITLNSDTDAQSFVNIDNV 124

RESULT 11
US-08-870-511-6
; Sequence 6, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huzar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511

; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-6

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSTDPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDPTDAQSFVNIDNV 124

RESULT 12
US-08-870-511-8
; Sequence 8, Application US/06870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870.511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-8

Query Match 99.2%; Score 130; DB 3; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSTDPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDPTDAQSFVNIDNV 124

RESULT 13
US-09-384-302A-6
; Sequence 6, Application US/09384302A
; Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: Of Membrane Polypeptides
; FILE REFERENCE: gfrn-028/02WO
; CURRENT APPLICATION NUMBER: US/09/384.302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144.964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263.971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-6

Query Match 99.2%; Score 130; DB 4; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSTDPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDPTDAQSFVNIDNV 124

RESULT 14
US-09-384-302A-9
; Sequence 9, Application US/09384302A
; Patent No. 6451543
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: Of Membrane Polypeptides
; FILE REFERENCE: gfrn-028/02WO
; CURRENT APPLICATION NUMBER: US/09/384.302A
; CURRENT FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144.964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263.971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-384-302A-9

Query Match 99.2%; Score 130; DB 4; Length 332;
Best Local Similarity 96.3%; Pred. No. 3.1e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNSTDPTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDPTDAQSFVNIDNV 124

RESULT 15
US-09-831-206-2
; Sequence 2, Application US/09831206
; Patent No. 6573070
; GENERAL INFORMATION:
; APPLICANT: Macneil, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY
; FILE REFERENCE: 20190P
; CURRENT APPLICATION NUMBER: US/09/831.206
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107.721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT

ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-206-2

Query Match
Best Local Similarity 96.9%; Score 127; DB 4; Length 332;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSETIVITLNSDTDAQSFTVINIDNV 27
|||||
Db 98 GSETIVITLNSDTDAQSFTVINIDNV 124

RESULT 16
US-08-706-281A-16
Sequence 16, Application US/08706281A
Patent No. 6100048
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Boston, Bruce A
APPLICANT: Kesterton, Robert A
APPLICANT: Lu, Dongsi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSER: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281A
FILING DATE: 04-SEP-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 6100048nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-706-281A-16

Query Match
Best Local Similarity 95.4%; Score 125; DB 3; Length 332;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSETIVITLNSDTDAQSFTVINIDNV 27
|||||
Db 98 GSETIVITLNSDTDAQSFTVINIDNV 124

RESULT 17
US-09-097-231-16
Sequence 16, Application US/09097231
Patent No. 6278038
GENERAL INFORMATION:

APPLICANT: Cone, Roger D
Chen, Wenbiao
Low, Malcolm J
TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESSES:
ADDRESSER: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,231
FILING DATE: 12-Jun-1998
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: No. 6278038nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-097-231-16

Query Match
Best Local Similarity 95.4%; Score 125; DB 3; Length 332;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSETIVITLNSDTDAQSFTVINIDNV 27
|||||
Db 98 GSETIVITLNSDTDAQSFTVINIDNV 124

RESULT 18
US-09-353-099-16
Sequence 16, Application US/09353099
Patent No. 6476187
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Boston, Bruce A
APPLICANT: Kesterton, Robert A
APPLICANT: Lu, Dongsi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSER: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS


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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/353,099
  FILING DATE: 14-Sep-1999
  CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: 08/706,281
    FILING DATE: 04-SEP-1996
  ATTORNEY/AGENT INFORMATION:
    NAME: No. 6476187nan, Kevin E
    REGISTRATION NUMBER: 35,303
    REFERENCE/DOCKET NUMBER: 96,886
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: 312-913-0001
    TELEFAX: 312-913-0002
    TELEX: <Unknown>
  INFORMATION FOR SEQ ID NO: 16:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 332 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
  MOLECULE TYPE: Protein
  SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-353-099-16

Query Match          95.4%; Score 125; DB 4; Length 332;
Best Local Similarity 92.6%; Pred. No. 1.9e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Cy 1 GSEITVITLNLSTDTDAQSFTVINIDNV 27
    |||||:|||||:|||||:|||||:
Db 98 GSEITITLNLRTDIDDAQSFTVINIDNV 124

RESULT 19
US-08-870-511-10
; Sequence 10, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-10

Query Match          94.7%; Score 124; DB 3; Length 332;
Best Local Similarity 92.6%; Pred. No. 2.7e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Cy 1 GSEITVITLNLSTDTDAQSFTVINIDNV 27
    |||||:|||||:|||||:|||||:
Db 98 GSEITITLNLSTDTDAQSFTVINIDNV 124

RESULT 20
US-08-870-511-12
; Sequence 12, Application US/08870511
; Patent No. 6287763
; GENERAL INFORMATION:
; APPLICANT: Lee, Frank
; APPLICANT: Huszar, Dennis
; APPLICANT: Gu, Wei
; TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL IN THE
```

```
; TITLE OF INVENTION: REGULATION OF BODY WEIGHT
; FILE REFERENCE: 7853-083
; CURRENT APPLICATION NUMBER: US/08/870,511
; CURRENT FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-870-511-12

Query Match          94.7%; Score 124; DB 3; Length 332;
Best Local Similarity 92.6%; Pred. No. 2.7e-11;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Cy 1 GSEITVITLNLSTDTDAQSFTVINIDNV 27
    |||||:|||||:|||||:|||||:
Db 98 GSEITITLNLSTDTDAQSFTVINIDNV 124

RESULT 21
US-09-248-796A-17281
; Sequence 17281, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 17281
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-17281

Query Match          38.9%; Score 51; DB 4; Length 607;
Best Local Similarity 40.7%; Pred. No. 14;
Matches 11; Conservative 7; Mismatches 9; Indels 0; Gaps 0;

Cy 1 GSEITVITLNLSTDTDAQSFTVINIDNV 27
    |||||:|||||:|||||:|||||:
Db 44 GDDTIPTSLITDSSSTTATSTIDDV 70

RESULT 22
US-09-248-796A-28148
; Sequence 28148, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 28148
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-28148
```


RESULT 27
US-08-387-805-16
Sequence 16, Application US/08387805
Patent No. 6448032
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Human Melanocyte stimulating hormone receptor
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,805
FILING DATE: 21-FEB-95
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/DK93/00273
FILING DATE: 20-AUG-93
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 1046/92
FILING DATE: 21-AUG-92
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 1118/92
FILING DATE: 10-SEP-92
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 0528/93
FILING DATE: 05-MAY-93
ATTORNEY/AGENT INFORMATION:
NAME: Cimbala, Michele A.
REGISTRATION NUMBER: 33,851
REFERENCE/DOCKET NUMBER: 1102.0160000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-387-805-16

Query Match 34.0%; Score 44.5; DB 4; Length 325;
Best Local Similarity 50.0%; Pred. No. 62;
Matches 13; Conservative 3; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVITLNSSTD-TDAQSFVNIDNV 27
Db 92 ETITVILNKHVLVADAFVRHIDNV 117

RESULT 28
US-09-831-228-2
Sequence 2, Application US/09831228
Patent No. 6645738
GENERAL INFORMATION:
APPLICANT: Fong, Tung M.
APPLICANT: Van der Ploeg, Leonardus H. T.
APPLICANT: Huang, Ruey-Ruey C.
TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
TITLE OF INVENTION: 5 RECEPTOR PROTEIN FROM RHESUS MONKEY
FILE REFERENCE: 20191P

CURRENT APPLICATION NUMBER: US/09/831,228
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: PCT/US99/25755
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: 60/107,632
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 325
TYPE: PRT
ORGANISM: rhesus monkey (Macaca mulatta)
US-09-831-228-2

Query Match 34.0%; Score 44.5; DB 4; Length 325;
Best Local Similarity 50.0%; Pred. No. 62;
Matches 13; Conservative 3; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVITLNSSTD-TDAQSFVNIDNV 27
Db 92 ETITVILNKHVLVADAFVRHIDNV 117

RESULT 29
US-09-270-767-46702
Sequence 46702, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 46702
LENGTH: 386
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-46702

Query Match 34.0%; Score 44.5; DB 4; Length 386;
Best Local Similarity 42.9%; Pred. No. 78;
Matches 12; Conservative 4; Mismatches 11; Indels 1; Gaps 1;

Qy 1 GSEITVITLNSDPTDA-QSFVNIDNV 27
Db 126 GQETITVVEBATQIVLHSHININISV 153

RESULT 30
US-09-370-838-76
Sequence 76, Application US/09370838
Patent No. 6444425
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Womach, Rodach
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.475C1
CURRENT APPLICATION NUMBER: US/09/370,838
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/285,323
EARLIER FILING DATE: 1999-04-02
NUMBER OF SEQ ID NOS: 289
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 76
LENGTH: 69
TYPE: PRT
ORGANISM: Homo sapien
US-09-370-838-76

Query Match 33.6%; Score 44; DB 4; Length 69;
Best Local Similarity 42.9%; Pred. No. 10;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 3 ETVITLINSPTDQSFVN 23
Db 48 EQLVTLQGTTFESFAKRVN 68

RESULT 31

US-09-854-133-76
; Sequence 76, Application US/09854133
; Patent No. 6759508
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamach, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 76
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-854-133-76

Query Match 33.6%; Score 44; DB 4; Length 69;
Best Local Similarity 42.9%; Pred. No. 10;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 3 ETVITLINSPTDQSFVN 23
Db 48 EQLVTLQGTTFESFAKRVN 68

RESULT 32

US-09-270-767-36607
; Sequence 36607, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36607
; LENGTH: 146
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-36607

Query Match 33.2%; Score 43.5; DB 4; Length 146;
Best Local Similarity 40.0%; Pred. No. 32;
Matches 10; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

Qy 2 SETVITLINSPTDQSFVN 25
Db 94 SQTIGVPSLBSGDTLDSPLTMDVD 118

RESULT 33
US-09-270-767-51824
; Sequence 51824, Application US/09270767
; Patent No. 6703491

GENERAL INFORMATION:

; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51824
; LENGTH: 146
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-51824

Query Match 33.2%; Score 43.5; DB 4; Length 146;
Best Local Similarity 40.0%; Pred. No. 32;
Matches 10; Conservative 7; Mismatches 7; Indels 1; Gaps 1;

Qy 2 SETVITLINSPTDQSFVN 25
Db 94 SQTIGVPSLBSGDTLDSPLTMDVD 118

RESULT 34

US-08-671-525B-10
; Sequence 10, Application US/08671525B
; Patent No. 5703220
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/671,525B
; FILING DATE: June 27, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-671-525B-10

Query Match 33.2%; Score 43.5; DB 1; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETVITLINSPTDQSFVN 27
Db 92 ETVITLINSPTDQSFVN 117

RESULT 35

US-08-672-1098-10
; Sequence 10, Application US/086721098
; Patent No. 5710265
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/672,1098
; FILING DATE: June 27, 1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-672-1098-10

Query Match 33.2%; Score 43.5; DB 1; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETVITVLNSTD-TDAQSFVNIDNV 27
||:||||:|:||||
Db 92 ETVITVLNKHLYIADTFVRHIDNV 117

RESULT 36
US-08-842-045-10
; Sequence 10, Application US/08842045
; Patent No. 5617787
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,045
; FILING DATE:
; CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-045-10

Query Match 33.2%; Score 43.5; DB 2; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETVITVLNSTD-TDAQSFVNIDNV 27
||:||||:|:||||
Db 92 ETVITVLNKHLYIADTFVRHIDNV 117

RESULT 37
US-08-842-238-10
; Sequence 10, Application US/08842238
; Patent No. 569257
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,238
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-238-10

Query Match 33.2%; Score 43.5; DB 2; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETVITVLNSTD-TDAQSFVNIDNV 27
||:||||:|:||||
Db 92 ETVITVLNKHLYIADTFVRHIDNV 117

RESULT 38
US-08-706-281A-18
Sequence 18, Application US/08706281A
Patent No. 6100048
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Boston, Bruce A
APPLICANT: Kesteron, Robert A
APPLICANT: Lu, Dongxi
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281A
FILING DATE: 04-SEP-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 6100048nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-706-281A-18

Query Match 33.2%; Score 43.5; DB 3; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

QY 3 ETVITLLNSTD-TDAQSFVNIDNV 27
||:||||:|:|:||||
Db 92 ETVITLLNKHVLVADTFVHRIDNV 117

RESULT 39
US-08-629-335B-10
Sequence 10, Application US/08629335B
Patent No. 6117975
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Ganetz, Iva
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
COUNTRY: US
ZIP: 48303
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,335B
FILING DATE: July 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810)641-1600
TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-629-335B-10

Query Match 33.2%; Score 43.5; DB 3; Length 325;
Best Local Similarity 46.2%; Pred. No. 89;
Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

QY 3 ETVITLLNSTD-TDAQSFVNIDNV 27
||:||||:|:|:||||
Db 92 ETVITLLNKHVLVADTFVHRIDNV 117

RESULT 40
US-09-097-231-18
Sequence 18, Application US/09097231
Patent No. 6278038
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
APPLICANT: Chen, Wenbiao
APPLICANT: Low, Malcolm J
TITLE OF INVENTION: Mammalian Melanocortin Receptor and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,231
FILING DATE: 12-Jun-1998
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: No. 6278038nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 18:

US-09-097-231-18

Query Match 33.2%; Score 43.5; DB 3; Length 325;

Best Local Similarity 46.2%; Pred. No. 89;

Matches 12; Conservative 4; Mismatches 9; Indels 1; Gaps 1;

Qy 3 ETIVTTLNSTD-TDAQSFVNIDNV 27
 ||:|||||:|:|||||
 Db 92 ETVTIYLNNKHLVYADTFVRHIDNV 117

Search completed: November 17, 2004, 14:59:49
 Job time : 26.9615 secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:54:39 ; Search time 52.6154 Seconds
(without alignments)
181.723 Million cell updates/sec

Title: US-09-884-211b-4_COPY_98_124
Perfect score: 131
Sequence: 1 GSEITVITLNLSTDTDAQSFVNIDNV 27

Scoring table: BIOSUN62
Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_AA:*
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep:*
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16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	131	100.0	332	10	US-09-884-211A-3
2	131	100.0	332	10	US-09-884-211A-4
3	130	99.2	293	14	US-10-207-330-8
4	130	99.2	332	10	US-08-876-252-74
5	130	99.2	332	10	US-08-876-252-136
6	130	99.2	332	14	US-10-226-594-4
7	130	99.2	332	14	US-10-207-330-6
8	130	99.2	332	14	US-10-207-330-9
9	130	99.2	332	14	US-10-225-567A-158
10	130	99.2	332	14	US-10-318-651-27
11	130	99.2	332	14	US-10-413-752-2
12	130	99.2	332	14	US-10-417-820A-74
13	130	99.2	332	14	US-10-417-820A-136

14	130	99.2	332	16	US-10-723-955-74	Sequence 74, Appl
15	130	99.2	332	16	US-10-723-955-136	Sequence 136, App
16	127	96.9	332	14	US-10-373-355-2	Sequence 2, Appl
17	126	96.2	332	10	US-09-910-180-2	Sequence 2, Appl
18	125	95.4	332	14	US-10-288-160-16	Sequence 16, Appl
19	125	95.4	332	14	US-10-074-754-2	Sequence 2, Appl
20	120	91.6	332	14	US-10-413-752-6	Sequence 6, Appl
21	82	62.6	16	14	US-10-225-567A-1063	Sequence 1063, Ap
22	75	57.3	19	10	US-09-910-180-9	Sequence 9, Appl
23	51	38.9	30	10	US-09-910-180-8	Sequence 8, Appl
24	51	38.9	84	15	US-10-424-599-174745	Sequence 174745, A
25	50	38.2	295	15	US-10-282-122A-71595	Sequence 71595, A
26	50	38.2	302	17	US-10-739-930-6550	Sequence 6550, Ap
27	50	38.2	26926	9	US-09-759-508B-2	Sequence 2, Appl
28	47	37.4	271	15	US-10-282-122A-77197	Sequence 77197, A
29	48	36.6	1093	9	US-09-801-368-392	Sequence 392, App
30	48	36.6	1093	14	US-10-369-493-1763	Sequence 1763, Ap
31	47.5	36.3	100	15	US-10-282-122A-72413	Sequence 72413, A
32	47.5	36.3	1965	14	US-10-369-493-2646	Sequence 2646, Ap
33	47	35.9	497	15	US-10-282-122A-63533	Sequence 63533, A
34	47	35.9	499	15	US-10-282-122A-64421	Sequence 64421, A
35	46	35.1	267	14	US-10-369-493-20803	Sequence 20803, A
36	46	35.1	322	9	US-09-728-479-11	Sequence 11, Appl
37	46	35.1	353	15	US-10-633-035-8	Sequence 8, Appl
38	46	35.1	419	9	US-09-738-626-5438	Sequence 5438, Ap
39	45	34.4	54	15	US-10-424-599-247286	Sequence 247286, A
40	45	34.4	83	17	US-10-425-115-296241	Sequence 296241, A
41	45	34.4	151	15	US-10-424-599-192480	Sequence 192480, A
42	45	34.4	188	14	US-10-156-761-10477	Sequence 10477, A
43	45	34.4	329	9	US-09-970-711-22	Sequence 22, Appl
44	45	34.4	329	17	US-10-425-115-357563	Sequence 357563, A
45	45	34.4	538	17	US-10-425-115-302944	Sequence 302944, A

ALIGNMENTS

RESULT 1
US-09-884-211A-3
; Sequence 3, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et. al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; FILE REFERENCE: PCT/0743A
; CURRENT APPLICATION NUMBER: US/09/884, 211A
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213, 909
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Feline MCR protein Sequence
US-09-884-211A-3

Query Match 100.0%; Score 131; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 3; 4e-11;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSEITVITLNLSTDTDAQSFVNIDNV 27
DB 98 GSEITVITLNLSTDTDAQSFVNIDNV 124

RESULT 2
US-09-884-211A-4
; Sequence 4, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:

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; APPLICANT: Alan et, al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
; FILE REFERENCE: PC10743A
; CURRENT APPLICATION NUMBER: US/09/884,211A
; PRIOR APPLICATION NUMBER: 2000-06-26
; PRIOR FILING DATE: 2000/213,909
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Canine MC4R protein Sequence
; US-09-884-211A-4

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Best Local Similarity 100.0%; Pred. No. 3,4e-11;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
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Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 3
; Sequence 8, Application US/10207330
; Publication No. US20030018169N1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Botti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: OF Membrane Polypeptides
; FILE REFERENCE: grtn-028/02WO
; CURRENT APPLICATION NUMBER: US/10/207,330
; PRIOR APPLICATION NUMBER: 2002-07-30
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; US-10-207-330-8

Query Match          99.2%; Score 130; DB 14; Length 293;
Best Local Similarity 96.3%; Pred. No. 4,1e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
    |||||
Db 59 GSEITVITLNSTDTDAQSFVNIDNV 85

RESULT 4
; Sequence 74, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brulnsma, Karin
```

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; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huang T.
; APPLICANT: Chen, Kuoping
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Rec
; FILE REFERENCE: AREN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,534
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 74
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; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-74

Query Match          99.2%; Score 130; DB 10; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 5
US-09-876-252-136
; Sequence 136, Application US/09876252
; Publication No. US2003001818241
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brulmas, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Liaw, Chen W
; TITLE OF INVENTION: Non-Endogenous Constitively Activated Human G Protein Coupled Rec
; FILE REFERENCE: ARN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
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; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-136

Query Match          99.2%; Score 130; DB 10; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 6
US-10-226-594-4
; Sequence 4, Application US/10226594
; Publication No. US20030017966A1
; GENERAL INFORMATION:
; APPLICANT: Duman, Ronald
; TITLE OF INVENTION: MC-4R AS A TARGET FOR THE IDENTIFICATION OF COMPOUNDS
; FILE REFERENCE: 07334-101001
; CURRENT APPLICATION NUMBER: US/10/226,594
; PRIOR FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US/09/385,763
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US 60/099,104
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-226-594-4

Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GSEITVITLNSTDTDAQSFVNIDNV 27
Db 98 GSEITVITLNSTDTDAQSFVNIDNV 124

RESULT 7
US-10-207-330-6
; Sequence 6, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
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; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Bortti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: of Membrane Polypeptides
; FILE REFERENCE: gfrn-028/02MO
; CURRENT APPLICATION NUMBER: US/10/207,330
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-207-330-6

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Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GSEITVITLNSDTDAQSFTVNIDNV 27
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DB 98 GSEITITLNSDTDAQSFTVNIDNV 124

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RESULT 8
US-10-207-330-9
; Sequence 9, Application US/10207330
; Publication No. US20030018169A1
; GENERAL INFORMATION:
; APPLICANT: Kochendoerfer, Gerd G
; APPLICANT: Hunter, Christie L
; APPLICANT: Kent, Stephen B.H.
; APPLICANT: Bortti, Paolo
; APPLICANT: Gryphon Sciences
; TITLE OF INVENTION: Lipid Matrix-Assisted Chemical Ligation and Synthesis
; TITLE OF INVENTION: of Membrane Polypeptides
; FILE REFERENCE: gfrn-028/02MO
; CURRENT APPLICATION NUMBER: US/10/207,330
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US/09/384,302
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: 09/144,964
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 09/263,971
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-207-330-9

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Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GSEITVITLNSDTDAQSFTVNIDNV 27
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DB 98 GSEITITLNSDTDAQSFTVNIDNV 124

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RESULT 9
US-10-225-567A-158
; Sequence 158, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burnet, Gienna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 158
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-158

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Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GSEITVITLNSDTDAQSFTVNIDNV 27
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DB 98 GSEITITLNSDTDAQSFTVNIDNV 124

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RESULT 10
US-10-318-661-27
; Sequence 27, Application US/10318661
; Publication No. US20030167476A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Bruce R.
; TITLE OF INVENTION: Selective Target Cell Activation By
; TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
; TITLE OF INVENTION: Superiorly By Synthetic Ligand
; FILE REFERENCE: UCAL-049C1P2
; CURRENT APPLICATION NUMBER: US/10/318,661
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 09/341,446
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US97/05334
; PRIOR FILING DATE: 1997-03-25
; PRIOR APPLICATION NUMBER: US 08/622,348
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-318-661-27

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Query Match          99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GSEITVITLNSDTDAQSFTVNIDNV 27
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DB 98 GSEITITLNSDTDAQSFTVNIDNV 124

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RESULT 11
US-10-413-752-2
; Sequence 2, Application US/10413752
; Publication No. US20030171295A1
; GENERAL INFORMATION:

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APPLICANT: Frank Lee
APPLICANT: Dennis Huezar
APPLICANT: Wei Gu
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
FILE REFERENCE: 7853-145
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 08/662,560
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-413-752-2

Query Match 99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GSEITVITLNSTDTPDQSFVNIDNV 27
Db 98 GSEITVITLNSTDTPDQSFVNIDNV 124

RESULT 12
US-10-417-820A-74

Sequence 74, Application US/10417820A
Publication No. US20030229216A1

GENERAL INFORMATION:

APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.

APPLICANT: Lowitz, Kevin

APPLICANT: Chalmers, Derek T.

APPLICANT: Behan, Dominic P.

TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled

FILE REFERENCE: 7.US28.CON

CURRENT APPLICATION NUMBER: US/10/417,820A

PRIOR FILING DATE: 2003-04-16

PRIOR APPLICATION NUMBER: 09/416,760

PRIOR FILING DATE: 1999-10-12

PRIOR APPLICATION NUMBER: 09/170,496

PRIOR FILING DATE: 1998-10-13

PRIOR APPLICATION NUMBER: 60/110,060

PRIOR FILING DATE: 1998-11-27

PRIOR APPLICATION NUMBER: 60/120,416

PRIOR FILING DATE: 1999-02-16

PRIOR APPLICATION NUMBER: 60/121,852

PRIOR FILING DATE: 1999-02-26

PRIOR APPLICATION NUMBER: 60/109,213

PRIOR FILING DATE: 1998-11-20

PRIOR APPLICATION NUMBER: 60/123,944

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,945

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,948

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

Query Match 99.2%; Score 130; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GSEITVITLNSTDTPDQSFVNIDNV 27
Db 98 GSEITVITLNSTDTPDQSFVNIDNV 124

RESULT 13

US-10-417-820A-136

Sequence 136, Application US/10417820A

Publication No. US20030229216A1

GENERAL INFORMATION:

APPLICANT: Chen, Ruoping

APPLICANT: Liaw, Chen W.

APPLICANT: Lowitz, Kevin

APPLICANT: Chalmers, Derek T.

APPLICANT: Behan, Dominic P.

TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled

FILE REFERENCE: 7.US28.CON

CURRENT APPLICATION NUMBER: US/10/417,820A

PRIOR FILING DATE: 2003-04-16

PRIOR APPLICATION NUMBER: 09/416,760

PRIOR FILING DATE: 1999-10-12

PRIOR APPLICATION NUMBER: 09/170,496

PRIOR FILING DATE: 1998-10-13

PRIOR APPLICATION NUMBER: 60/110,060

PRIOR FILING DATE: 1998-11-27

PRIOR APPLICATION NUMBER: 60/120,416

PRIOR FILING DATE: 1999-02-16

PRIOR APPLICATION NUMBER: 60/121,852

PRIOR FILING DATE: 1999-02-26

PRIOR APPLICATION NUMBER: 60/109,213

PRIOR FILING DATE: 1998-11-20

PRIOR APPLICATION NUMBER: 60/123,944

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,945

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,948

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

PRIOR FILING DATE: 1999-03-12

PRIOR APPLICATION NUMBER: 60/123,951

```
; APPLICANT: Dang, Huang T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Gore, Martin
; APPLICANT: White, Carol
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: 7.US29.CON
; CURRENT APPLICATION NUMBER: US/10/723,955
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 10/417,820
; PRIOR FILING DATE: 2003-4-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-955-74

Query Match          99.2%; Score 130; DB 16; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy      1 GSEITVTLNSTDTDAQSFVNIDNV 27
      |||||:|||||:|||||:|||||:
Db      98 GSEITITLTLNSTDTDAQSFVNIDNV 124

RESULT 15
US-10-723-955-136
; Sequence 136, Application US/10723955
; Publication No. US20040110238A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lin, I-Lin
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lehman-Brusma, Karin
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Dang, Huang T.
; APPLICANT: Chen, Ruoping
; APPLICANT: Gore, Martin
; APPLICANT: White, Carol
; TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: 7.US29.CON
; CURRENT APPLICATION NUMBER: US/10/723,955
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 10/417,820
; PRIOR FILING DATE: 2003-4-16
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-955-136

Query Match          99.2%; Score 130; DB 16; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy      1 GSEITVTLNSTDTDAQSFVNIDNV 27
      |||||:|||||:|||||:|||||:
Db      98 GSEITITLTLNSTDTDAQSFVNIDNV 124

RESULT 16
US-10-373-355-2
; Sequence 2, Application US/10373355
; Publication No. US20030166009A1
; GENERAL INFORMATION:
; APPLICANT: MacNeill, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY
; FILE REFERENCE: 20190B
; CURRENT APPLICATION NUMBER: US/10/373,355
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: US/09/831,206
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: rhesus monkey (Macaca mulatta)
US-10-373-355-2

Query Match          96.9%; Score 127; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 1.4e-10;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Cy      1 GSEITVTLNSTDTDAQSFVNIDNV 27
      |||||:|||||:|||||:|||||:
Db      98 GSEITVTLNSTDTDAQSFVNIDNV 124

RESULT 17
US-09-910-180-2
; Sequence 2, Application US/09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
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; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 136
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-955-136

Query Match          99.2%; Score 130; DB 16; Length 332;
Best Local Similarity 96.3%; Pred. No. 4.8e-11;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Cy      1 GSEITVTLNSTDTDAQSFVNIDNV 27
      |||||:|||||:|||||:|||||:
Db      98 GSEITITLTLNSTDTDAQSFVNIDNV 124

RESULT 16
US-10-373-355-2
; Sequence 2, Application US/10373355
; Publication No. US20030166009A1
; GENERAL INFORMATION:
; APPLICANT: MacNeill, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; TITLE OF INVENTION: 4 RECEPTOR PROTEIN FROM RHESUS MONKEY
; FILE REFERENCE: 20190B
; CURRENT APPLICATION NUMBER: US/10/373,355
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: US/09/831,206
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 332
; TYPE: PRT
; ORGANISM: rhesus monkey (Macaca mulatta)
US-10-373-355-2

Query Match          96.9%; Score 127; DB 14; Length 332;
Best Local Similarity 96.3%; Pred. No. 1.4e-10;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Cy      1 GSEITVTLNSTDTDAQSFVNIDNV 27
      |||||:|||||:|||||:|||||:
Db      98 GSEITVTLNSTDTDAQSFVNIDNV 124

RESULT 17
US-09-910-180-2
; Sequence 2, Application US/09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
```

APPLICANT: Heiung, Hansen
APPLICANT: Smith, Dennis
APPLICANT: Zhang, Xing-Yue
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
FILE REFERENCE: P-12621
CURRENT APPLICATION NUMBER: US/09/910,180
CURRENT FILING DATE: 2002-04-11
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Bovine
US-09-910-180-2

Query Match
Best Local Similarity 96.2%; Score 126; DB 10; Length 332;
Best Local Similarity 96.3%; Pred. No. 1.9e-10;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDPTDQSFVNIDNV 27
98 GSEITVITLNSTDPTDQSFVNIDNV 124

RESULT 18
US-10-288-160-16
Sequence 16, Application US/10288160
Publication No. US20030105024A1
GENERAL INFORMATION:
APPLICANT: Cone, Roger D
Fan, Wei
Boston, Bruce A
Kesterton, Robert A
Lu, Dongxi
Chen, Wendiao
TITLE OF INVENTION: Methods and Reagents for Discovering and Using Mammalian Melanocortin Receptor Agonists and Antagonists
To Modulate Feeding Behavior in Animals
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/288,160
FILING DATE: 05-NO. US20030105024A1-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281
FILING DATE: 04-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: NO. US20030105024A1an, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 96,886
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-10-288-160-16

Query Match
Best Local Similarity 95.4%; Score 125; DB 14; Length 332;
Best Local Similarity 92.6%; Pred. No. 2.7e-10;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDPTDQSFVNIDNV 27
98 GSEITVITLNRDPTDQSFVNIDNV 124

RESULT 19
US-10-074-754-2
Sequence 2, Application US/10074754
Publication No. US20030113263A1
GENERAL INFORMATION:
APPLICANT: Marks, Daniel L.
Cone, Roger D.
TITLE OF INVENTION: Methods and Reagents for Discovering and Using Mammalian Melanocortin Receptor Antagonists to Treat
TITLE OF INVENTION: Cachexia
FILE REFERENCE: 96-886
CURRENT APPLICATION NUMBER: US/10/074,754
CURRENT FILING DATE: 2002-02-13
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 332
TYPE: PRT
ORGANISM: Homo sapiens
US-10-074-754-2

Query Match
Best Local Similarity 95.4%; Score 125; DB 14; Length 332;
Best Local Similarity 92.6%; Pred. No. 2.7e-10;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDPTDQSFVNIDNV 27
98 GSEITVITLNRDPTDQSFVNIDNV 124

RESULT 20
US-10-413-752-6
Sequence 6, Application US/10413752
Publication No. US20030171295A1
GENERAL INFORMATION:
APPLICANT: Frank Lee
Dennis Huezar
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL
TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT
FILE REFERENCE: 7853-145
CURRENT APPLICATION NUMBER: US/10/413,752
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US/09/322,695
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 08/662,560
PRIOR FILING DATE: 1996-06-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
TITLE: FASTSEQ for Windows Version 3.0
LENGTH: 332
TYPE: PRT
ORGANISM: Rattus sp.
US-10-413-752-6

Query Match
Best Local Similarity 91.6%; Score 120; DB 14; Length 332;
Best Local Similarity 92.6%; Pred. No. 1.5e-09;
Matches 25; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 GSEITVITLNSTDPTDQSFVNIDNV 27
98 GSVITVITLNSTDPTDQSFVNIDNV 124

RESULT 21
US-10-225-567A-1063
; Sequence 1063, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1063
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-1063

Query Match 62.6%; Score 82; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.8e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 NSTDTDAQSFYVNIIDN 26
Db 1 NSTDTDAQSFYVNIIDN 16

RESULT 22
US-09-910-180-9
; Sequence 9, Application US/09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
; APPLICANT: Hsiung, Hansen
; APPLICANT: Smith, Dennis
; APPLICANT: Zhang, Xing-Yue
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
; FILE REFERENCE: P-12621
; CURRENT APPLICATION NUMBER: US/09/910,180
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Bovine
US-09-910-180-9

Query Match 57.3%; Score 75; DB 10; Length 19;
Best Local Similarity 93.8%; Pred. No. 0.00025;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 12 STDTDAGSFYVNIIDNV 27
Db 1 STDTDAGSFYVNIIDNV 16

RESULT 23
US-09-910-180-8
; Sequence 8, Application US/09910180
; Publication No. US20030082678A1
; GENERAL INFORMATION:
; APPLICANT: Hsiung, Hansen
; APPLICANT: Smith, Dennis
; APPLICANT: Zhang, Xing-Yue
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPECIES
; FILE REFERENCE: P-12621

; CURRENT APPLICATION NUMBER: US/09/910,180
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Bovine
US-09-910-180-8

Query Match 38.9%; Score 51; DB 10; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSEITVITLNL 11
Db 20 GSEITVITLNL 30

RESULT 24
US-10-424-599-174745
; Sequence 174745, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 174745
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_128814C.1.pep
US-10-424-599-174745

Query Match 38.9%; Score 51; DB 15; Length 84;
Best Local Similarity 52.4%; Pred. No. 6.2;
Matches 11; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

Qy 4 TIVTILNSTDTDAQSFYVNI 24
Db 49 TIVTILNSTDTDAQSFYVNI 69

RESULT 25
US-10-282-122A-71595
; Sequence 71595, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyckind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA_034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078


```

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71595
; LENGTH: 295
; TYPE: PRT
; ORGANISM: Staphylococcus haemolyticus
US-10-282-122A-71595
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Query Match          38.2%; Score 50; DB 15; Length 295;
Best Local Similarity 43.5%; Pred. No. 41;
Matches 10; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
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```
Oy      5  IVITLINSTDTDAQSFTVINIDNV 27
Db      266  IVNNLCNTTKSDAQSRLLNNNDI 288
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```
RESULT 26
US-10-739-930-6550
; Sequence 6550, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 6550
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: ARAITH-23APR03-C4561_1.p
US-10-739-930-6550
```

```
Query Match          38.2%; Score 50; DB 17; Length 302;
Best Local Similarity 55.0%; Pred. No. 42;
Matches 11; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
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```
Oy      3  ETIVITLINSTDTDAQSFTV 22
Db      185  ETIVLQLNRSRSDKSKSKTV 204
```

```
RESULT 27
US-09-759-508B-2
; Sequence 2, Application US/09759508B
; Publication No. US20020182599A1
; GENERAL INFORMATION:
; APPLICANT: Fishman, Mark C.
; TITLE OF INVENTION: Methods for Diagnosing and Treating Heart Disease
```

```

; FILE REFERENCE: 00786/381002
; CURRENT APPLICATION NUMBER: US/09/759,508B
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: US 60/175,787
; PRIOR FILING DATE: 2000-01-12
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 26926
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-759-508B-2
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```
Query Match          38.2%; Score 50; DB 9; Length 26926;
Best Local Similarity 40.0%; Pred. No. 1,1e+04;
Matches 8; Conservative 8; Mismatches 4; Indels 0; Gaps 0;
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```
Oy      7  ITLINSTDTDAQSFTVINIDN 26
Db      4772  LTIINDADDTDAQTYTIVTEN 4791
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```
RESULT 28
US-10-282-122A-77197
; Sequence 77197, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykand, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA-034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77197
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Vibrio cholerae
US-10-282-122A-77197
```

```
Query Match          37.4%; Score 49; DB 15; Length 271;
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Best Local Similarity 47.6%; Pred. No. 52;
Matches 10; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 2 SETIVITLSTDPDAQSFVNIDNV 22
|::|||::|||::|||
Db 145 SDSVVFILSSSTDKNQVEFTV 165

RESULT 29

US-09-801-368-392
; Sequence 392; Application US/09801368
; Patent No. US20020128250A1
; GENERAL INFORMATION:
; APPLICANT: Busby, Robert
; APPLICANT: Call, Brian
; APPLICANT: Hecht, Peter
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin
; APPLICANT: Maxon, Mary
; APPLICANT: Milne, Todd
; APPLICANT: No. US20020128250A1man, Thea
; APPLICANT: Royer, John
; APPLICANT: Salama, Sofie
; APPLICANT: Sherman, Amir
; APPLICANT: Silva, Jeff
; APPLICANT: Summers, Eric
; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
; FILE REFERENCE: 109272.147
; CURRENT APPLICATION NUMBER: US/09/801,368
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 09/487,558
; PRIOR FILING DATE: 2000-01-19
; PRIOR APPLICATION NUMBER: US 60/160,587
; PRIOR FILING DATE: 1999-10-20
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 392
; LENGTH: 1093
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-801-368-392

Query Match 36.6%; Score 48; DB 9; Length 1093;
Best Local Similarity 42.9%; Pred. No. 4.1e+02;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 7 ITLNSTDPDAQSFVNIDNV 27
:|::|||::|||
Db 297 VALNPNNDNSYSYSHNIDNV 317

RESULT 30

US-10-369-493-1763
; Sequence 1763; Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1763
; LENGTH: 1093
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae

US-10-369-493-1763

Query Match 36.6%; Score 48; DB 14; Length 1093;
Best Local Similarity 42.9%; Pred. No. 4.1e+02;
Matches 9; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 7 ITLNSTDPDAQSFVNIDNV 27
:|::|||::|||
Db 297 VALNPNNDNSYSYSHNIDNV 317

RESULT 31

US-10-282-122A-72413
; Sequence 72413; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyckind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA-034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72413
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-10-282-122A-72413

Query Match 36.3%; Score 47.5; DB 15; Length 100;
Best Local Similarity 43.5%; Pred. No. 26;
Matches 10; Conservative 4; Mismatches 8; Indels 1; Gaps 1;

QY 6 VITLNSTDPDAQSFVNIDNV 27
:|::|||::|||
Db 37 MVELNVEDVDTQGVGFETSNVADNI 59

RESULT 32

US-10-369-493-2646
; Sequence 2646; Application US/10369493

```
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 2646
LENGTH: 1965
TYPE: PRT
ORGANISM: Synechocystis sp.
US-10-369-493-2646

Query Match          36.3%; Score 47.5; DB 14; Length 1965;
Best Local Similarity 42.9%; Pred. No. 1e+03;
Matches 12; Conservative 6; Mismatches 7; Indels 3; Gaps 1;

Oy      2 SETVITLINSTDPAQS--FTVNIWN 26
Db      1711 STGKVTILNPNDESGSYRFTVADD 1738

RESULT 33
US-10-282-122A-63533
Sequence 63533, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 63533
LENGTH: 497
TYPE: PRT
ORGANISM: Mycoplasma genitalium
US-10-282-122A-63533

Query Match          35.9%; Score 47; DB 15; Length 497;
Best Local Similarity 36.4%; Pred. No. 2.2e+02;
Matches 8; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

Oy      2 SETVITLINSTDPAQSFVN 23
Db      227 SEQRIAKVILNSTDESRKYAIN 248

RESULT 34
US-10-282-122A-64221
Sequence 64221, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 64221
LENGTH: 499
TYPE: PRT
ORGANISM: Mycoplasma pneumoniae
US-10-282-122A-64221

Query Match          35.9%; Score 47; DB 15; Length 499;
Best Local Similarity 36.4%; Pred. No. 2.2e+02;
Matches 8; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

Oy      2 SETVITLINSTDPAQSFVN 23
Db      229 SEQRIAKVILNSTDESRKYAIN 250
```

```

RESULT 35
US-10-369-493-20803
; Sequence 20803, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20803
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Rhodospseudomonas palustris
US-10-369-493-20803

Query Match
Best Local Similarity 35.1%; Score 46; DB 14; Length 267;
Matches 9; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 9 LNSTDTDAQSFVNID 25
Db 93 LIRSTNTEIEGTGMLD 109

RESULT 36
US-09-728-479-11
; Sequence 11, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-728-479-11

Query Match
Best Local Similarity 35.1%; Score 46; DB 9; Length 322;
Matches 10; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

Qy 3 ETVITLINSTDTDAQSFVNID 26
Db 27 EGLQVTLQGTTKSFAQRVNVFON 50

RESULT 37
US-10-633-035-8
; Sequence 8, Application US/10633035
; Publication No. US20040068104A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Seiei Kato
; APPLICANT: Yamaguchi Kimura
; APPLICANT: Shingo Sekine
; APPLICANT: Kouju Kamata
; TITLE OF INVENTION: HUMAN GALECTIC-9-LIKE PROTEINS AND CDNA ENCODING THESE
; FILE REFERENCE: GIN-6707C/PUS
; CURRENT APPLICATION NUMBER: US/10/633,035
; PRIOR FILING DATE: 2003-08-04
; PRIOR APPLICATION NUMBER: US/09/485,951
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 9-226468
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: PCT/JP98/03670
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-633-035-8

Query Match
Best Local Similarity 35.1%; Score 46; DB 15; Length 353;
Matches 10; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

Qy 3 ETVITLINSTDTDAQSFVNID 26
Db 27 EGLQVTLQGTTKSFAQRVNVFON 50

RESULT 38
US-09-738-626-5438
; Sequence 5438, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, MAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 5438
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-5438

Query Match
Best Local Similarity 35.1%; Score 46; DB 9; Length 419;
Matches 11; Conservative 6; Mismatches 6; Indels 2; Gaps 1;

Qy 2 SETIVITL--INSTDTDAQSFVNI 24
Db 99 NETVITLIDELINRTSDVTSASNTI 123

```

RESULT 39

US-10-424-599-247286
; Sequence 247286, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 247286
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_65329C.1.pep
US-10-424-599-247286

Query Match

34.4%; Score 45; DB 15; Length 54;

Best Local Similarity 41.7%; Pred. No. 28;
Matches 10; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY

1 GSETIVITLNLSTDPDQSFVNI 24
|||::|
Db 4 GSTTAMSLTQLIDTDAFLNANI 27

RESULT 40

US-10-425-115-296241
; Sequence 296241, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 296241
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(83)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_33247C.1.pep
US-10-425-115-296241

Query Match

34.4%; Score 45; DB 17; Length 83;

Best Local Similarity 37.5%; Pred. No. 48;
Matches 9; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY

2 SETIVITLNLSTDPDQSFVNI 25
::|::|
Db 41 NSTLITWCADTMDDEAFSFTTD 64

Search completed: November 17, 2004, 15:02:51
Job time : 53.6154 secs

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OM protein - protein search, using sw model

Run on: November 17, 2004, 14:54:39 ; Search time 9.74359 Seconds

(without alignments)
181.723 Million cell updates/sec

Title: US-09-884-211b-4_COPY_187_191

Perfect score: 26
Sequence: 1 YSDST 5

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*
- 17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
- 19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
- 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	59	US-10-437-963-124984	Sequence 124984,
2	26	100.0	71	US-10-424-599-151456	Sequence 151456,
3	26	100.0	80	US-10-424-599-191157	Sequence 191157,
4	26	100.0	110	US-10-264-237-1509	Sequence 1509, Ap
5	26	100.0	130	US-09-738-626-4328	Sequence 4328, Ap
6	26	100.0	130	US-10-781-014-524	Sequence 524, App
7	26	100.0	131	US-10-767-701-31613	Sequence 31613, A
8	26	100.0	147	US-10-197-824-36	Sequence 36, Appl
9	26	100.0	163	US-10-080-170-582	Sequence 582, App
10	26	100.0	163	US-10-080-170-592	Sequence 592, App
11	26	100.0	163	US-10-468-356-592	Sequence 592, App
12	26	100.0	165	US-10-080-170-78	Sequence 78, Appl
13	26	100.0	165	US-10-080-170-78	Sequence 78, Appl

14	26	100.0	165	17	US-10-468-356-78	Sequence 78, Appl
15	26	100.0	188	15	US-10-424-599-257112	Sequence 257112,
16	26	100.0	212	16	US-10-768-093-7	Sequence 7, Appl
17	26	100.0	221	15	US-10-197-824-25	Sequence 25, Appl
18	26	100.0	229	13	US-10-059-964-60	Sequence 60, Appl
19	26	100.0	279	14	US-10-314-639-60	Sequence 60, Appl
20	26	100.0	279	14	US-10-097-111-298	Sequence 298, App
21	26	100.0	282	9	US-09-738-626-5015	Sequence 5015, Ap
22	26	100.0	321	15	US-10-424-599-156013	Sequence 156013, Ap
23	26	100.0	330	15	US-10-264-237-2503	Sequence 2503, Ap
24	26	100.0	332	10	US-09-884-211b-4	Sequence 4, Appl
25	26	100.0	358	16	US-10-437-963-127818	Sequence 127818,
26	26	100.0	364	9	US-09-925-298-700	Sequence 700, App
27	26	100.0	364	14	US-10-102-806-700	Sequence 700, App
28	26	100.0	379	17	US-10-425-115-300830	Sequence 300830,
29	26	100.0	392	14	US-10-369-493-6696	Sequence 6696, Ap
30	26	100.0	404	17	US-10-425-115-249125	Sequence 249125,
31	26	100.0	439	16	US-10-437-963-160927	Sequence 160927,
32	26	100.0	440	15	US-10-425-114-39512	Sequence 39512, A
33	26	100.0	459	15	US-10-424-599-269810	Sequence 269810,
34	26	100.0	464	15	US-10-296-115-1252	Sequence 1252, Ap
35	26	100.0	484	15	US-10-424-599-188878	Sequence 188878,
36	26	100.0	490	15	US-10-425-114-45909	Sequence 45909, A
37	26	100.0	491	17	US-10-859-149-11	Sequence 11, Appl
38	26	100.0	495	14	US-10-104-047-2860	Sequence 2860, Ap
39	26	100.0	509	16	US-10-672-764A-6	Sequence 6, Appl
40	26	100.0	540	17	US-10-425-115-351163	Sequence 351163,
41	26	100.0	543	9	US-09-745-763-187	Sequence 187, App
42	26	100.0	598	15	US-10-112-944-245	Sequence 245, App
43	26	100.0	601	15	US-10-052-648A-56	Sequence 56, Appl
44	26	100.0	602	14	US-10-094-749-2246	Sequence 2246, Ap
45	26	100.0	616	15	US-10-296-115-1310	Sequence 1310, Ap

ALIGNMENTS

RESULT 1
US-10-437-963-124984
; Sequence 124984, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 124984
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_27671C.1.pcp
US-10-437-963-124984

Query Match 100.0%; Score 26; DB 16; Length 59;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
DB 53 YSDST 57

RESULT 2
US-10-424-599-151456
; Sequence 151456, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 151456
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_107788C.1.pep
US-10-424-599-151456

Query Match 100.0%; Score 26; DB 15; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
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Db 59 YSDST 63

RESULT 3
US-10-424-599-191157
; Sequence 191157, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 191157
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(80)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_14633C.1.pep
US-10-424-599-191157

Query Match 100.0%; Score 26; DB 15; Length 80;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 57 YSDST 61

RESULT 4
US-10-264-237-1509
; Sequence 1509, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:

; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA313P1
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 1509
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-264-237-1509

Query Match 100.0%; Score 26; DB 15; Length 110;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
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Db 15 YSDST 19

RESULT 5
US-09-738-626-4328
; Sequence 4328, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKURO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 4328
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-4328

Query Match 100.0%; Score 26; DB 9; Length 130;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 24 YSDST 28

RESULT 6
US-10-781-014-524
; Sequence 524, Application US/10781014
; Publication No. US20040180408A1
; GENERAL INFORMATION:


```

; APPLICANT: Pompeius, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zeidler, Oskar
; APPLICANT: Habermann, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN CARBON METABOLISM AND ENERGY
; FILE REFERENCE: BGI-126CPN
; CURRENT APPLICATION NUMBER: US/10/781,014
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US 09/602,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/143,208
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 60/151,572
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19931412.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931413.6
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931424.1
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931428.4
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 784
; SEQ ID NO 524
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-781-014-524

Query Match          100.0%; Score 26; DB 16; Length 130;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 YSDST 5
        |||||
Db      24 YSDST 28

RESULT 7
US-10-767-701-31613
; Sequence 31613, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongmei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 31613
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C101022_1.pap
US-10-767-701-31613

Query Match          100.0%; Score 26; DB 16; Length 131;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Cy      1 YSDST 5
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Db      82 YSDST 86

RESULT 8
US-10-197-824-36
; Sequence 36, Application US/10197824
; Publication No. US20040023219A1
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: NOVEL PROSTATE CANCER GENES
; FILE REFERENCE: 9U 106 R1
; CURRENT APPLICATION NUMBER: US/10/197,824
; CURRENT FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-197-824-36

Query Match          100.0%; Score 26; DB 15; Length 147;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 YSDST 5
        |||||
Db      56 YSDST 60

RESULT 9
US-10-080-170-592
; Sequence 592, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495,0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 592
; LENGTH: 163
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-592

Query Match          100.0%; Score 26; DB 14; Length 163;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 YSDST 5
        |||||
Db      41 YSDST 45

RESULT 10
US-10-080-170-592
; Sequence 592, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
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FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080,170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 592
LENGTH: 163
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-10-080-170-592

Query Match 100.0%; Score 26; DB 16; Length 163;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 11
US-10-468-356-592
Sequence 592, Application US/10468356
Publication No. US20040197896A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 05394.0019
CURRENT APPLICATION NUMBER: US/10/468,356
CURRENT FILING DATE: 2003-08-19
PRIOR APPLICATION NUMBER: 10/080,170
PRIOR FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 655
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 592
LENGTH: 163
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-10-468-356-592

Query Match 100.0%; Score 26; DB 17; Length 163;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 12
US-10-080-170-78
Sequence 78, Application US/10080170
Publication No. US20030129601A1
GENERAL INFORMATION:
APPLICANT: COLE, S.T.
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080,170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 78
LENGTH: 165

TYPE: PRT
ORGANISM: Mycobacterium leprae
US-10-080-170-78

Query Match 100.0%; Score 26; DB 14; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 13
US-10-080-170-78
Sequence 78, Application US/10080170
Publication No. US20040121322A9
GENERAL INFORMATION:
APPLICANT: COLE, S.T.
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 03495.0218
CURRENT APPLICATION NUMBER: US/10/080,170
CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 78
LENGTH: 165
TYPE: PRT
ORGANISM: Mycobacterium leprae
US-10-080-170-78

Query Match 100.0%; Score 26; DB 16; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
Db 41 YSDST 45

RESULT 14
US-10-468-356-78
Sequence 78, Application US/10468356
Publication No. US20040197896A1
GENERAL INFORMATION:
APPLICANT: COLE, STEWART
TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
TREATMENT OF MYCOBACTERIOSES
FILE REFERENCE: 05394.0019
CURRENT APPLICATION NUMBER: US/10/468,356
CURRENT FILING DATE: 2003-08-19
PRIOR APPLICATION NUMBER: 10/080,170
PRIOR FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/270,123
PRIOR FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 655
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 78
LENGTH: 165
TYPE: PRT
ORGANISM: Mycobacterium leprae
US-10-468-356-78

Query Match 100.0%; Score 26; DB 17; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 41 YSDST 45

RESULT 15

US-10-424-599-257112
; Sequence 257112, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 257112
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_74195C.1.pep
US-10-424-599-257112

Query Match

Best Local Similarity 100.0%; Score 26; DB 15; Length 188;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 80 YSDST 84

RESULT 16

US-10-768-093-7
; Sequence 7, Application US/10768093
; Publication No. US20040156829A1
; GENERAL INFORMATION:
; APPLICANT: Wolf, Marcia K
; APPLICANT: Casels, Fred J
; APPLICANT: Boedecker, Edgar C
; TITLE OF INVENTION: Transformed Bacteria Producing GSE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hendricks and Assoc
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/768,093
; FILING DATE: 02-Feb-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,877B
; FILING DATE: 10-Jan-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M
; REGISTRATION NUMBER: 32,535
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703/425-8405
; TELEFAX: 703/425-8406
; INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 212 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-768-093-7

Query Match

Best Local Similarity 100.0%; Score 26; DB 16; Length 212;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 12 YSDST 16

RESULT 17

US-10-197-824-25
; Sequence 25, Application US/10197824
; Publication No. US20040023219A1
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: NOVEL PROSTATE CANCER GENES
; FILE REFERENCE: 90 106 R1
; CURRENT APPLICATION NUMBER: US/10/197,824
; CURRENT FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 25
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-197-824-25

Query Match

Best Local Similarity 100.0%; Score 26; DB 15; Length 221;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
Db 56 YSDST 60

RESULT 18

US-10-059-964-60
; Sequence 60, Application US/10059964
; Publication No. US20020120115A1
; GENERAL INFORMATION:
; APPLICANT: Rikihisa, Yasuko
; APPLICANT: Ohashi, No. US20020120115A1
; TITLE OF INVENTION: Outer Membrane Protein of *Escherichia* *Canis* and *Escherichia*
; TITLE OF INVENTION: Chaffensis
; FILE REFERENCE: 22727/04021
; CURRENT APPLICATION NUMBER: US/10/059,964
; CURRENT FILING DATE: 2002-01-28
; EARLIER APPLICATION NUMBER: 09/314,701
; EARLIER FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 60
; LENGTH: 279
; TYPE: PRT
; ORGANISM: P30-11
US-10-059-964-60

Query Match

Best Local Similarity 100.0%; Score 26; DB 13; Length 279;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|
|
|
|
Db 106 YSDST 110

RESULT 19
US-10-314-639-60

; Sequence 60, Application US/10314639
; Publication No. US20030103991A1
; GENERAL INFORMATION:

; APPLICANT: Rikihisa, Yasuko

; APPLICANT: Ohashi, No. US20030103991A110
; TITLE OF INVENTION: Outer Membrane Protein of *Escherichia Canis* and *Escherichia*

; FILE REFERENCE: 22727/04021

; CURRENT APPLICATION NUMBER: US/10/314,639

; PRIOR FILING DATE: 2002-12-09

; PRIOR APPLICATION NUMBER: US/09/314,701

; NUMBER OF SEQ ID NOS: 66

; SOFTWARE: PatentIn ver. 2.0

; SEQ ID NO 60

; LENGTH: 279

; TYPE: PRT

; ORGANISM: P30-11

US-10-314-639-60

Query Match 100.0%; Score 26; DB 14; Length 279;

Best Local Similarity 100.0%; Pred. No. 8e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|
|
|
|
Db 106 YSDST 110

RESULT 20

US-10-097-111-298

; Sequence 298, Application US/10097111
; Publication No. US2003013877A1
; GENERAL INFORMATION:

; APPLICANT: PELETTIER, JERRY

; APPLICANT: GROS, PHILIPPE

; APPLICANT: DUBOW, MICHAEL

; TITLE OF INVENTION: DNA SEQUENCES FROM *S. PNEUMONIAE* BACTERIOPHAGE BP1 THAT

; FILE REFERENCE: 073406-0603

; CURRENT APPLICATION NUMBER: US/10/097,111

; PRIOR FILING DATE: 2002-07-24

; PRIOR APPLICATION NUMBER: 09/676,412

; PRIOR FILING DATE: 2000-09-29

; PRIOR APPLICATION NUMBER: 60/157,218

; NUMBER OF SEQ ID NOS: 552

; SOFTWARE: PatentIn ver. 2.1

; SEQ ID NO 298

; LENGTH: 279

; TYPE: PRT

; ORGANISM: *Streptococcus pneumoniae*

US-10-097-111-298

Query Match 100.0%; Score 26; DB 14; Length 279;

Best Local Similarity 100.0%; Pred. No. 8e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|
|
|
|
Db 140 YSDST 144

RESULT 21

US-09-738-626-5015

; Sequence 5015, Application US/09738626

; Publication No. US20020197605A1
; GENERAL INFORMATION:

; APPLICANT: NAKAGAWA, SATOSHI

; APPLICANT: MIZOGUCHI, HIROSHI

; APPLICANT: ANDO, SEIKO

; APPLICANT: HAYASHI, MIKIRO

; APPLICANT: OCHIAI, KEIKO

; APPLICANT: YOKOI, HARUHIKO

; APPLICANT: TATEISHI, NAOKO

; APPLICANT: SENOH, AKIHIRO

; APPLICANT: IKEDA, MASATO

; APPLICANT: OZAKI, AKIO

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-125

; CURRENT APPLICATION NUMBER: US/09/738,626

; PRIOR FILING DATE: 2000-12-18

; PRIOR APPLICATION NUMBER: JP 99/377484

; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: JP 00/159162

; PRIOR FILING DATE: 2000-04-07

; PRIOR APPLICATION NUMBER: JP 00/280988

; NUMBER OF SEQ ID NOS: 7059

; SOFTWARE: PatentIn ver. 3.0

; SEQ ID NO 5015

; LENGTH: 282

; TYPE: PRT

; ORGANISM: *Corynebacterium glutamicum*

US-09-738-626-5015

QY 1 YSDST 5
|
|
|
|
Db 259 YSDST 263

RESULT 22

US-10-424-599-156013

; Sequence 156013, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J

; APPLICANT: Kovalic David K

; APPLICANT: Zhou Yihua

; APPLICANT: Cao Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53223)B

; CURRENT APPLICATION NUMBER: US/10/424,599

; PRIOR FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 156013

; LENGTH: 321

; TYPE: PRT

; ORGANISM: Glycine max

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT3847_1118C.1.pep

US-10-424-599-156013

Query Match 100.0%; Score 26; DB 15; Length 321;

Best Local Similarity 100.0%; Pred. No. 9.3e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|
|
|
|
Db 100 YSDST 104

RESULT 23

US-10-264-237-2503

```

; Sequence 2503, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:
; APPLICANT: Bire et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P131P1
; CURRENT APPLICATION NUMBER: US/10/264,237
; PRIOR FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2503
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (137)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-237-2503

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```

Query Match          100.0%; Score 26; DB 15; Length 330;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 YSDST 5
        |||||
Db      75 YSDST 79

```

```

RESULT 24
US-09-884-211A-4
; Sequence 4, Application US/09884211A
; Publication No. US20030032791A1
; GENERAL INFORMATION:
; APPLICANT: Alan et. al.
; TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
; TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
; FILE REFERENCE: P010743A
; CURRENT APPLICATION NUMBER: US/09/884,211A
; CURRENT FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/213,909
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Canine MC4R protein Sequence
US-09-884-211A-4

```

```

Query Match          100.0%; Score 26; DB 10; Length 332;
Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 YSDST 5
        |||||
Db      187 YSDST 191

```

```

RESULT 25
US-10-437-963-127818
; Sequence 127818, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

```

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; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 127818
; LENGTH: 358
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_30231C.1.pdp
US-10-437-963-127818

```

```

Query Match          100.0%; Score 26; DB 16; Length 358;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 YSDST 5
        |||||
Db      286 YSDST 290

```

```

RESULT 26
US-09-925-298-700
; Sequence 700, Application US/0925298
; Publication No. US20020039764A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: P103
; CURRENT APPLICATION NUMBER: US/09/925,298
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 700
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (13)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (30)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (353)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (360)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-298-700

```

```

Query Match          100.0%; Score 26; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY      1 YSDST 5
        |||||
Db      83 YSDST 87

```

```

RESULT 27
US-10-102-806-700

```

; Sequence 700, Application US/10102806
; Publication No. US20030054421A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antipodies
; FILE REFERENCE: PA103P1C1
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 700
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (13)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (30)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (353)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (360)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-102-806-700

Query Match 100.0%; Score 26; DB 14; Length 364;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 83 YSDST 87

RESULT 28
US-10-425-115-300830
; Sequence 300830, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 300830
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(379)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37426C.1.pep
US-10-425-115-300830

Query Match 100.0%; Score 26; DB 17; Length 379;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 219 YSDST 223

RESULT 29
US-10-369-493-6696
; Sequence 6696, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 6696
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-6696

Query Match 100.0%; Score 26; DB 14; Length 392;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||
DB 235 YSDST 239

RESULT 30
US-10-425-115-249125
; Sequence 249125, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 249125
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(404)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_15878C.1.pep
US-10-425-115-249125

Query Match 100.0%; Score 26; DB 17; Length 404;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||||

Db 164 YSDST 168

RESULT 31

US-10-437-963-160927
; Sequence 160927, Application US/10437963
; Publication No. US20040123343a1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 160927
; LENGTH: 439
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(439)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_6015C.1.pep
US-10-437-963-160927

Query Match 100.0%; Score 26; DB 16; Length 439;

Best Local Similarity 100.0%; Pred. No. 1.3e+03;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 381 YSDST 385

RESULT 32

US-10-425-114-39512
; Sequence 39512, Application US/10425114
; Publication No. US2004003488a1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 39512
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700240895_Flt.pep
US-10-425-114-39512

Query Match 100.0%; Score 26; DB 15; Length 440;

Best Local Similarity 100.0%; Pred. No. 1.3e+03;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 114 YSDST 118

RESULT 33

US-10-424-599-269810
; Sequence 269810, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 269810
; LENGTH: 459
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_85658C.1.pep
US-10-424-599-269810

Query Match 100.0%; Score 26; DB 15; Length 459;

Best Local Similarity 100.0%; Pred. No. 1.3e+03;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 422 YSDST 426

RESULT 34

US-10-296-115-1252
; Sequence 1252, Application US/10296115
; Publication No. US20040053248a1
; GENERAL INFORMATION:
; APPLICANT: Hyseq Inc
; TITLE OF INVENTION: No. US20040053248a1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 784PCT
; CURRENT APPLICATION NUMBER: US/10/296,115
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552,317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 1252
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-296-115-1252

Query Match 100.0%; Score 26; DB 15; Length 464;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5

Db 156 YSDST 160

RESULT 35

US-10-424-599-188878
; Sequence 188878, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K

APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 188878
LENGTH: 484
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(484)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_141571C.1.pep
US-10-424-599-188878

Query Match 100.0%; Score 26; DB 15; Length 484;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 71 YSDST 75

RESULT 36
US-10-425-114-45909
Sequence 45909, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaka, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 45909
LENGTH: 490
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: 701008639_FLI.pep
US-10-425-114-45909

Query Match 100.0%; Score 26; DB 15; Length 490;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 435 YSDST 439

RESULT 37
US-10-859-149-11
Sequence 11, Application US/10859149
Publication No. US20040214295A1
GENERAL INFORMATION:
APPLICANT: Fujii, Tadashi
APPLICANT: Narita, Takao
APPLICANT: Nakata, Kunio
APPLICANT: Agetani, Hiroshi
APPLICANT: TSUNEKAWA, Hiroshi

APPLICANT: ISSHIKI, Kunio
APPLICANT: YOSHIOKA, Takeo
TITLE OF INVENTION: Gene participating in the production of homoglutamic
TITLE OF INVENTION: acid and its use
FILE REFERENCE: 2004-0874/WMC/00202
CURRENT APPLICATION NUMBER: US/10/859,149
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: 09/762,230
PRIOR FILING DATE: 2001-02-05
PRIOR APPLICATION NUMBER: JP10/232382
PRIOR FILING DATE: 1998-08-05
PRIOR APPLICATION NUMBER: JP11/182362
PRIOR FILING DATE: 1999-06-28
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 491
TYPE: PRT
ORGANISM: Flavobacterium lutescens
US-10-859-149-11

Query Match 100.0%; Score 26; DB 17; Length 491;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 219 YSDST 223

RESULT 38
US-10-104-047-2860
Sequence 2860, Application US/10104047
Publication No. US20030236392A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20030236392A1 full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2860
LENGTH: 495
TYPE: PRT
ORGANISM: Homo sapiens
US-10-104-047-2860

Query Match 100.0%; Score 26; DB 14; Length 495;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSDST 5
|||
Db 489 YSDST 493

RESULT 39
US-10-672-764A-6
Sequence 6, Application US/10672764A
Publication No. US20040156832A1
GENERAL INFORMATION:
APPLICANT: Jolly, Chris
TITLE OF INVENTION: Immunoglobulin Compositions and Methods
FILE REFERENCE: 13311.1001U
CURRENT APPLICATION NUMBER: US/10/672,764A
CURRENT FILING DATE: 2003-09-26
NUMBER OF SEQ ID NOS: 68
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 509

; TYPE: PRT
; ORGANISM: Human
US-10-672-764A-6

Query Match 100.0%; Score 26; DB 16; Length 509;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 131 YSDST 135

RESULT 40

US-10-425-115-351163
; Sequence 351163, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 351163
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_83429C.1.pep
US-10-425-115-351163

Query Match 100.0%; Score 26; DB 17; Length 540;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YSDST 5
|||
Db 306 YSDST 310

Search completed: November 17, 2004, 15:02:52
Job time : 10.7436 secs

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[illegible]

Db	1201	GGGTCCTTGTCGTGCGTGGGCTCCAAATCTTCTCCACCTGATATATTCATCTCTGTC	1260
QY	1261	CCCGAATCCCAATCTGTGTGTCTTCATGTCTCACTTTAACTGTACTCATTTCTGATCA	1320
Db	1261	CCCGAATCCCAATCTGTGTGTCTTCATGTCTCACTTTAACTGTACTCATTTCTGATCA	1320
QY	1321	TGTGTAACTCCATCATGACACCCCTCTCAATTTATGTCACTCCGAGCCAGAGCTGAGAAAA	1380
Db	1321	TGTGTAACTCCATCATGACACCCCTCTCAATTTATGTCACTCCGAGCCAGAGCTGAGAAAA	1380
QY	1381	CCCTTCAAGAGATCATCTGTTGCTATCCTCTGGGTGGCTTTTGACTTGTCTAGCAAT	1440
Db	1381	CCCTTCAAGAGATCATCTGTTGCTATCCTCTGGGTGGCTTTTGACTTGTCTAGCAAT	1440
QY	1441	ACTAGCTGGGACAGAGGAATACTAAAAACATGCACAGAGACTTCTTCACTCTCAAC	1500
Db	1441	ACTAGCTGGGACAGAGGAATACTAAAAACATGCACAGAGACTTCTTCACTCTCAAC	1500
QY	1501	AACATGAACTGTGTGCTTGACCAACAGTGTCTTCAGTATAGGACAGAGTTGAGAAAT	1560
Db	1501	AACATGAACTGTGTGCTTGACCAACAGTGTCTTCAGTATAGGACAGAGTTGAGAAAT	1560
QY	1561	ATCTGTGCACAAAATTCAACTTTATGATGTTTTGATGTGAAAAAAAATGCCCAGGCTC	1620
Db	1561	ATCTGTGCACAAAATTCAACTTTATGATGTTTTGATGTGAAAAAAAATGCCCAGGCTC	1620
QY	1621	TGTACATTTGCTAAATGTCAATGCTACTTTTGGGCTGTGCATTTGTTATTCATTTGACGCTG	1680
Db	1621	TGTACATTTGCTAAATGTCAATGCTACTTTTGGGCTGTGCATTTGTTATTCATTTGACGCTG	1680
QY	1681	TAGACACTTAAATTTCTAGAAAAAAGAAAAAGCTTCATTAAAGATATCAGTGTCT	1740
Db	1681	TAGACACTTAAATTTCTAGAAAAAAGAAAAAGCTTCATTAAAGATATCAGTGTCT	1740
QY	1741	TGTTATTCACAGAGATTTTGCACTTTGCTGTGTAGGAAACATAGAAATCATAGAAATCA	1800
Db	1741	TGTTATTCACAGAGATTTTGCACTTTGCTGTGTAGGAAACATAGAAATCATAGAAATCA	1800
QY	1801	TTAATCTATGTGACCTGATTAAGTAACTTCTTAATATTAATACATATACATGAAATGTGCAG	1860
Db	1801	TTAATCTATGTGACCTGATTAAGTAACTTCTTAATATTAATACATATACATGAAATGTGCAG	1860
QY	1861	ATTGGAATGTAGCATGGGGGGGTGATATTGGAACAATAGATACATCTGTCAATTAACAATC	1920
Db	1861	ATTGGAATGTAGCATGGGGGGGTGATATTGGAACAATAGATACATCTGTCAATTAACAATC	1920
QY	1921	AACGAAATTTTAAGTATATAAAATGTCTCATCTCCCTGTGACGAAATATAAAAAAAA	1980
Db	1921	AACGAAATTTTAAGTATATAAAATGTCTCATCTCCCTGTGACGAAATATAAAAAAAA	1980
QY	1981	AAAAA 1985	
Db	1981	AAAAA 1985	

```

/ RESULT 2
/ US-09-884-211A-1
/ Sequence 1, Application US/09884211A
/ Publication No. US20030032791A1
/ GENERAL INFORMATION:
/ APPLICANT: Alan et. al.
/ TITLE OF INVENTION: NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
/ TITLE OF INVENTION: SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
/ TITLE OF INVENTION: IN REGULATING ANIMAL APPETITE AND METABOLIC RATE
/ FILE REFERENCE: PCI0743A
/ CURRENT APPLICATION NUMBER: US/09/884,211A
/ CURRENT FILING DATE: 2000-06-26
/ PRIOR APPLICATION NUMBER: 60/213,909
/ PRIOR FILING DATE: 2000-06-26
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: SeqIdN Ver. 2.1
/ SEQ ID NO 1
/ LENGTH: 1708

```

TYPE: DNA
ORGANISM: Feline MCR Nucleotide Sequence
US-09-884-211A-1

Query Match 58.8%; Score 1166.6; DB 10; Length 1708;

Best Local Similarity 83.5%; Pred. No. 1.7e-285;
Matches 1418; Conservative 0; Mismatches 224; Indels 57; Gaps 6;

14 GAGGACGCTGATGGAACATGTCAGCAGATTCAGCTCCGTGCTGCGGCAATC 73
Db 64 GAGGACGCTGATGGAACATGTCAGCAGATTCAGCTCCGTGCTGCGGCAATC 123
Qy 74 GAGGAAATTAATTTGAAAAGAGCTGATGATGCTCAGGCTTAAAGTTAAGTTGAGTGA 133
Db 124 GAAAATTAATTTGAAAAGAGCTGATGATGCTCAGGCTTAAAGTTAAGTTGAGTGA 183
Qy 134 GAGCAAGAAAGAG 193
Db 184 GAGCA-----GAAAAGCAAGAG 201
Qy 194 CAGACTCTTGAATTAAGATGAGATTTGAGAAATGGAATGTTACAGTGAAGTAT 253
Db 202 CAGACTCTTGAATTAAGATGAGATTTGAGAAATGGAATGTTACAGTGAAGTAT 261
Qy 254 CGAGCTGTACTGGAAGACAGTAAGAGCTCAGTGCAGGCTTTTGAGAGCAGGAG 313
Db 262 CAGAGCGGCTTCTGGAGAGAGTAATAAATCTCATTTTCAGCC--TGGAGAGCAGTGAAT 319
Qy 314 GTACTCAACACCTTGGCAGGCGCAGTCTGATCTCAGAACTTTGGAGCGCAGAGAGGGG 373
Db 320 TTACTTC-ACAAACAGGCAATGCAATTTGAGCTCAGAACTTTGCGGAGCAAGAGCGGTGG 378
Qy 374 AGAATCATCACCGGGGCTCCCTGCTGGAGAGCGCAATCAGTCCCGAGGGGGCTGCATA 433
Db 379 AGAATAACATGAGGCTTACTGACCCAGAGATGGAATCAATTCAGAGGAGATGAAATC 438
Qy 434 CACTTGTGAGATGGAATCTCACTTCAGCAGAGATGCACTTCTCTCACTTCTG 493
Db 439 CAC-TGGTGGAGATGGAATCTCACTTCAGCAGAGATGCACTTCTCTCTCTG 497
Qy 494 GAACCGGAGCCTTACGAGCAGCAGGCAAGCAGCTGAGTCCCTTGGCAAGGCTTACC 553
Db 498 GAACCGGAGCCTTACGAGCAGCAGGCAAGCAGTGAATCCCTTGGCAAGGCTTACC 557
Qy 554 CGACGGGGGAGTCTACGAGCACTTCTGCTCCCGAGGAGTGTGCTGCTGAGCGGT 613
Db 558 TGAATGAGGAGTGTATGAGCACTTTTGTCTCCCTGAGGAGTGTGTGACTTGGGTGT 617
Qy 614 CATTAAGCTTGTGAGAGCAATTCGTGATCGTGGCAATAGCAAGAAAGAAATCTGCA 673
Db 618 CATTAAGCTTGTGAGAGCAATTCGTGATCGTGGCAATAGCAAGAAAGAAATCTGCA 677
Qy 674 CTCAACCATGTAATTTTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 733
Db 678 TTTCCCATGTAATTTTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 737
Qy 734 CAAAGGGGTCAGAGCAATTCGTGATCGTGGCAATAGCAAGAAAGAAATCTGCA 793
Db 738 AAGAGGATCCGAACCAATGTCATCCCTATTAAGCAATAGCAAGAAAGAAATCTGCA 797
Qy 794 TTTACCGGTGAATTTGATATGTCATTAAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 853
Db 798 TTTACCGGTGAATTTGATATGTCATTAAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 857
Qy 854 GATTTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 913
Db 858 GATTTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 917
Qy 914 GTACCATTAACATCAAGCGGTCAGGAGGAGTGGATATCATCATGCTGCTGCTGCTGCTGCTGCT 973
Db 918 GTACCATTAACATCAAGCGGTCAGGAGGAGTGGATATCATCATGCTGCTGCTGCTGCTGCTGCT 977
Qy 974 TTGACGAGTGTGAGGATCTTGTTCATCATTAATTAATCTGAGACAGTACTGCTGCTCATCATCTG 1033

Db 978 TTGACGAGTGTGAGGATCTTGTTCATCATTAATTAATCTGAGACAGTACTGCTGCTCATCATCTG 1037
Qy 1034 CTTCAATCAATGTTCTTCAACATGCTGCGCTTCAATGCTTCTCTCAAGTCCATGTT 1093
Db 1038 CTTCAATCAATGTTCTTCAACATGCTGCGCTTCAATGCTTCTCTCTCAAGTCCATGTT 1097
Qy 1094 CTTCAATGAGCACTGCAATCAAGAAATGCGCTTCTCCGGGCACTGGCAATCTCG 1153
Db 1098 CTTCAATGAGCACTGCAATCAAGAAATGCGCTTCTCCGGGCACTGGCAATCTCG 1157
Qy 1154 CAAAGGGGTCAGAGTGAAGGCTGCTTCACTTGAACATATCTCATTTGGGCTCTTCTGCT 1213
Db 1158 CAAAGGGGTCAGAGTGAAGGCTGCTTCACTTGAACATATCTCATTTGGGCTCTTCTGCT 1217
Qy 1214 CTGCTGGGCTTCAATTTCTTCTTCACTTGAATTTCAATCTCTTGTCCGAGAAATCTGATA 1273
Db 1218 CTGCTGGGCTTCAATTTCTTCTTCACTTGAATTTCAATCTCTTGTCCGAGAAATCTTGA 1277
Qy 1274 CTGCTGGCTTCAATTTCTTCTTCACTTGAATTTCAATCTCTTGTCTGATCTGATCTGAT 1333
Db 1278 CTGCTGGCTTCAATTTCTTCTTCACTTGAATTTCAATCTCTTGTCTGATCTGATCTGAT 1337
Qy 1334 CATGACCTTCTCATTTATGCACTCGGAGCCAAAGACTGAGAAACCTTCAAGAGAT 1393
Db 1338 CATGACCTTCTCATTTATGCACTCGGAGCCAAAGACTGAGAAACCTTCAAGAGAT 1397
Qy 1394 CATGCTGTGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1453
Db 1398 CATGCTGTGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1457
Qy 1454 AGAGGAGTACTTAAACATGACCAAGAGACTTCTTCACTTCTGATCTGATCTGATCTGAT 1513
Db 1458 A-----TAGAAACGTCATGAGAGCTTCTTCACTTCTGATCTGATCTGATCTGAT 1517
Qy 1514 TGCTTGAGCAACAGCTGCTTCTTCACTTGAAGGAGGAGTGAATATCTGTTGCAAA 1573
Db 1508 TGCTTGATGACCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1567
Qy 1574 ATTCACTTATGATGTTTGAATGTAAGAAAAAAGCCAGGCTTCTGATCTGATCTGAT 1633
Db 1568 ATTCACTTATGATGTTTGAATGTAAGAAAAAAGCCAGGCTTCTGATCTGATCTGAT 1627
Qy 1634 TGTCATGCTACTTTTGGGCTGTCATGTTAATCAT-TTGAGAGCTGTCAGACTTGA 1692
Db 1628 TGCTTCTGCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1687
Qy 1693 ATTTCTAGAAAAAGAAAAA 1711
Db 1688 ATGTAATAAAAAA 1706

RESULT 3
US-09-910-180-1
Sequence 1, Application US/09910180
Publication No. US20030082678A1
GENERAL INFORMATION:
APPLICANT: Heung, Hansen
APPLICANT: Smith, Dennis
APPLICANT: Zhang, Xing-Yue
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING BODY WEIGHT IN BOVINE SPEK
FILE REFERENCE: P-12621
CURRENT FILING DATE: 2002-04-11
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1950
TYPE: DNA
ORGANISM: Bovine
US-09-910-180-1
Query Match 48.8%; Score 968.6; DB 10; Length 1950;

Best Local Similarity 76.4%; Pred. No. 3.8e-235;
Matches 1328; Conservative 0; Mismatches 379; Indels 32; Gaps 10;

QY	224	AGAAATCCGAAGATGTTACAGTAAGAGTGAATCCGAGCTGTACTGTGAAGACAGTAAGAGCT	283
Db	68	AGCAGCTTAAGATTTTCCAAAGTATGTGACAGAGCCACACTTGAAGAGACTGAAACT	127
QY	284	CCACTGCCAGCCTTTTGGAGCAGGGACAGTACTCAACACTGGCAGGGCCAGCTGAGATC	343
Db	128	TCCTTCCAGC--TCGGAGCATGGGACATTTATTC-ACAGAGGACATGCCACTCTCCGC	184
QY	344	CTCAGAACTTTGGAGACG---CACGAGAGGGGGAGAACATACCCGGGGCTTCCTGGCTG	399
Db	185	CCCTTAACCTTTGTTTGGGGCAAGTCCAGACTGGAGAAAGGTGCTGAGGGCTCCAGATCC	244
QY	400	GAGAGCCGGAATCAGTCCCGAGGGGGTGTGCATACACTTGTGTGACAGATGAACTCACCC	459
Db	245	AGGAGGTTCAAGTCAAGTCCAGAGGGGACCTGAATCCAAA-----ATGAACCTTACCC	295
QY	460	TTCAGCAGCGAATGACACACTTCTCTCCACTTTTGGAAACCGCAGCACTTAACGACAGACG	519
Db	296	AGCCCTTTGGAGTGAACACTCTCTCCACTCTCTGGAACCGGACGCCCAACGGAAGGCCA	355
QY	520	GCAAGCCACTAGTCCCTTGGCAAGGCTACCCGACGGGGGAGTGTACGAGCAACTCT	579
Db	356	CCAAATGTCAGTGAATCCTCTGGCAAAAGGTACTCCGACGGGGGGTGTATGAGCAGCTCT	415
QY	580	TCGTCTCCCGGAGGTGTTCTGTACTCTGGGGGTCAATAAGTCTGTGAGAACTTTGG	639
Db	416	TTGTCTCTCCGAGGTGTTTGTGACTCTGGGGGTCACTGCTTGTGAGAAATTTCTGG	475
QY	640	TGATCGTGGCAATACCCAAAGAACAGAAATCTGCACCTCAACCATGACTTTTCAATCTGTA	699
Db	476	TGATGTGTGCCATATACCAGAAAGAACAAAGATCTGCACCTCAACCATGATCTTTTCACTGCA	535
QY	700	GCCTGCTGTGGCCGATATGCTGTGTAGCGTTTCCAGCGGTACAGAACCATGCTCATCA	759
Db	536	GCCTGCTGTGGCTGTACATATGTTGTGACGCTTCCAAAGGGTCGGAACCAATGTGCATCA	595
QY	760	CCCTGTTGAACAGTACCGGATACCGAGCGGACGAGTTTACAGGTGAATTTATATAATGTCA	819
Db	596	CCCTGCTGAACAGCACGAGCACGAGACGGCAGAGCTTACCGTGGATATTTGACATATGTCA	655
QY	820	TTGACTCGATGATCTGTAGAGCTTCCTGTGCTCGCTCGATTTGCAAGCCTGCTCAATTGCA	879
Db	656	TTGACTCGATGATCTGTAGAGCTTCCTGTGCTCGCTCATCTGCAGCTTGTGTCGATTCGGG	715
QY	880	TGCAAGGATCTTTCATCTTTATATGACCTCCAGTACCATTAATCAATGACGATGAGGC	939
Db	716	TGCAAGGATCTTTCATCTTTATATGACCTCCAGTACCATTAATCAATGACGATGAGGC	775
QY	940	GAGTGTGGATCATCATAGTTGCATCTGGGCGGCTTGCACGGGTGCAGGACCTTGTGTCA	999
Db	776	GAGTGTGGATCATCATAGTTGCATCTGGGCGGCTTGCACGGGTGCAGGACCTTGTGTCA	835
QY	1000	TCATTTATCGGACAGTACGTGTGTGCATCTGTCTCATATACCAATGTTCTTTCACATGC	1059
Db	836	TCATTTATCGGACAGTACGTGTGTGTATCATCTGTCTCATATACCAATGTTCTTTCACATGC	895
QY	1060	TGGCCCTCATGAGCTTCTCTTACGTGCACATGTTCTTCATGGCAGACATGCATCAGACA	1119
Db	896	TGGCTCTCATGGCGTCTCTATATGCCACATATGTTCTTCATATGGCAGACTCCACATTAAGA	955
QY	1120	GAAATCGCGTCTCTCCGGGACACGGGACCATCCGCAAGGGGCAACATGAAGGTGCA	1179
Db	956	GAAATCGCGTCTCTCCGGGACACGGGACCATCCGCAAGGGGCAACATGAAGGGGCGA	1015
QY	1180	TTACCTTGACCATACTCAATGGGGTCTTCAGTGTGTGGGCTCAATCTTCTCCACT	1239
Db	1016	TTACCTTGACCATACTCAATGGGGTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1075
QY	1240	TGAATTTCAATCTCTTGTCCCAAGATCATATCTGTGTGCTTCAATGTCTCACTTGA	1299

D	b		1076	TGATATTCTAATCTCTTGTCCCGAGAACCATTAAGTGATGGTTTCATGCTCACTTTA	1135
O	y		1300	ACTTGACCTCATTCTGATCATGTGTAACTCCATCATGACCCCTCTCATTTATGCACTCC	1359
D	b		1136	AACGTGACCTCATCTCTCATGTGCATATGCCAATTCATCACTGAACCCCTCATATTATCCCTG	1195
O	y		1360	GAGCGCAAGACTGAGAGAAAACCTTCAAAGATCATCTGTTGGTATCTCTCGGATGGCC	1419
D	b		1186	GGAGCGAAGAAGCTGAGAAAACTTCAAAGATCATTTGTTGCTCTCTCTTAGTGGCC	1255
O	y		1420	TTTTGACTTGTCTAGCAGATACTAGCTGGGACAGAGAAATCACTAAAAACATGACCA	1479
D	b		1256	TCTGTGATTTGTCTAGCAGATATTAAAAATGGGGACAACGCGATCTAAACACAAGCTTAA	1315
O	y		1480	GAGACTTCTTATCTCTCA----CAACAATGAATGTGTGGTGGACAACAGCTGCTCT	1535
D	b		1316	GAGACTTCTCTCTCTCTCATATGTAACAACCTGAACAGTCTGATATAGCACAGCTTTTCT	1375
O	y		1536	TCAGTATAGCAGAGAGTTGGAATATCTGTTGCACAAATTCACATTATGATGTTTGA	1595
D	b		1376	TCTGTGTAGGCGCATGAGAGTAAATTTCTATGTATCAGTTGAAGTTTGTGATTTTTTC	1435
O	y		1586	TGTGAAAAAAAAATGCCAGGCTCTGTACATTGCTATGTCACTTTTGGCTGT	1655
D	b		1436	TGATGTGAAACAG-TGCCAGCTCTTGGTGTATTTTATGTACATGCTACCTTCTGGCTGT	1494
O	y		1656	GCATTGTTAATCCATTTTC-GACGCTGTAGACACTTGAATTTCTAGAAAA-----GAAA	1709
D	b		1495	AAATGTGAATCCACATCACTACAGGTTATAGGCACATGATTTATMAAAAAAGAAABAAA	1554
O	y		1710	AAGCTTCATTAATAAAGCATATCACTGT----TTCTGTATATCACAGAGATTGGACCTT	1765
D	b		1555	AAGTCCTTATGAGAGTTTAAACAGTGTTCCTCTTGTATTTTAAAGAGATGACACTT	1614
O	y		1766	TGCTTGCTTTAGSAAACATAGAAATTCATAGATCATTAATAGTAGACCATAGTAAGTAC	1825
D	b		1615	TGCTTGCTTT-TGTAACATGGAATTCACAGCTTCATTAAGTATATCTCATTAAGTGCTTT	1673
O	y		1826	TTCTTATATTAATCACTATATCACTGAATGTGCAATTTGAATGTAGCATGGGGGTGA	1885
D	b		1674	TTTTATGTATTACTTTTCAACACTGAAGTGTAAAAATTTGATTTCTGACATTTTAGGGAGA	1733
O	y		1886	TATTTGAACATAGATCTTGCTGATTTAAACATCACTGAATTTTAAGTATTAAT	1944
D	b		1734	AATATGAGAACATATTTGCTTAATCATMAAAAAACAAGCTGAAATTTCAAGGTAAITTAAT	1792
R	E	S	U	S	-10-413-752-5
RESULT 4					
US-10-413-752-5					
Sequence 5, Application US/10413752					
Publication No. US20030171295A1					
GENERAL INFORMATION:					
APPLICANT: Frank Lee					
APPLICANT: Dennis Huszar					
APPLICANT: Wei Gu					
TITLE OF INVENTION: SCREENING METHODS FOR COMPOUNDS USEFUL					
TITLE OF INVENTION: IN THE REGULATION OF BODY WEIGHT					
FILE REFERENCE: 7853-145					
CURRENT APPLICATION NUMBER: US/10/413,752					
CURRENT FILING DATE: 2003-04-14					
PRIOR APPLICATION NUMBER: US/09/322,695					
PRIOR FILING DATE: 1999-05-28					
PRIOR APPLICATION NUMBER: 08/662,560					
PRIOR FILING DATE: 1996-06-10					
NUMBER OF SEQ ID NOS: 12					
SOFTWARE: FastSeq for Windows Version 3.0					
SEQ ID NO 5					
LENGTH: 1671					
TYPE: DNA					
ORGANISM: Homo sapiens					
US-10-413-752-5					

Best Local Similarity 80.2%; Pred. No. 1,56-232;
Matches 1261; Conservative 0; Mismatches 292; Indels 20; Gaps 11;

144 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGAGAGAGAGCTCTT 203
Db AATGCAATGAAGTTAAAGTTAAAGAGAGAGAGAGAGAGAGAGCTCTT 153
Qy 94 AATGCAATGAAGTTAAAGTTAAAGAGAGAGAGAGAGAGAGAGAGCTCTT 153
Qy 204 GAATGAAG 263
Db CAATGAAG 212
Qy 154 CAATGAAG 212
Qy 264 CTTGAAG 323
Db CTTGAAG 268
Qy 213 CTTGAAG 268
Qy 324 CTTGAAG 383
Db CTTGAAG 328
Qy 269 CTTGAAG 328
Qy 384 CG--GGGCTCCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 440
Db TGAG 387
Qy 329 TGAG 387
Qy 441 TGAG 500
Db GCCAG 447
Qy 388 GCCAG 447
Qy 501 AGCAG 560
Db AGCAG 507
Qy 448 AGCAG 507
Qy 561 GAG 620
Db GAG 567
Qy 508 GAG 567
Qy 621 TTGAG 680
Db TTGAG 627
Qy 568 TTGAG 627
Qy 681 ATGAG 740
Db ATGAG 687
Qy 628 ATGAG 687
Qy 741 TCAG 800
Db TCAG 747
Qy 688 TCAG 747
Qy 801 GTCAG 860
Db GTCAG 807
Qy 748 GTCAG 807
Qy 861 AGCTGAG 920
Db AGCTGAG 867
Qy 808 AGCTGAG 867
Qy 921 AACATGAG 980
Db AACATGAG 927
Qy 868 AACATGAG 927
Qy 981 GTTCAAG 1040
Db GTTCAAG 987
Qy 928 GTTCAAG 987
Qy 1041 AACATGAG 1100
Db AACATGAG 1047
Qy 988 AACATGAG 1047
Qy 1101 AACATGAG 1160
Db AACATGAG 1107
Qy 1048 AACATGAG 1107
Qy 1161 AACATGAG 1220

Db 1108 GCCAATGAG 1167
Qy 1221 GTCATGAG 1280
Db 1168 GCCAATGAG 1227
Qy 1281 TGTATGAG 1340
Db TGTATGAG 1287
Qy 1341 CTTATGAG 1400
Db CTTATGAG 1347
Qy 1401 TGTATGAG 1460
Db TGTATGAG 1407
Qy 1461 GTCATGAG 1518
Db GTCATGAG 1467
Qy 1519 GTCATGAG 1578
Db GTCATGAG 1526
Qy 1579 ACTTATGAG 1637
Db ACTTATGAG 1581
Qy 1638 ATGATGAG 1695
Db ATGATGAG 1582
Qy 1696 TCTGAG 1708
Db TCTGAG 1654

RESULT 5

US-10-288-160-15
; Sequence 15, Application US/10288160
; Publication No. US20030105024A1
; GENERAL INFORMATION:

APPLICANT: Cone, Roger D

Pan, Wei
Boston, Bruce A
Kesteron, Robert A
Lu, Dongxi
Chen, Wenbiao

TITLE OF INVENTION: Methods and Reagents for Discovering and
Using Mammalian Melanocortin Receptor Agonists and Antagonists
To Modulate Feeding Behavior in Animals

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff

STREET: 300 South Wacker Drive

CITY: Chicago

STATE: IL

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/288,160

FILING DATE: 05-NO. US20030105024A1-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281

FILING DATE: 04-SEP-1996


```
QY 755 CATCAACCTGTTGAAACAGTACGAGATACGACGCGAGAGTTTCAAGGTGAATATTTGATTA 814
DB 309 CATCAACCTGTTGAAACAGTACGAGATACGACGCGAGAGTTTCAAGGTGAATATTTGATTA 368
QY 815 TGTCAATGACCTGGGATCTGTAGTCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 874
DB 369 TGTCAATGACCTGGGATCTGTAGTCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 428
QY 875 TGCAGTGAACAGGATCTTACTATCTTTTATGCCCCCTCCAGATACATTAATCATATGACGAT 934
DB 429 TGCAGTGAACAGGATCTTACTATCTTTGATGCTCTCCAGATACATTAATCATATGACGAT 488
QY 935 GAGGGGGGTGGGATCATATCATATGTTGATCTGGGGGGCTTGACAGGTGTGACGATCTT 994
DB 489 TAAAGGGGTGGGATCATATCATATGTTGATCTGGGGGGCTTGACAGGTGTGACGATCTT 548
QY 995 GTTCATCATTTTACTGCGACAGTATGCTGTATCATCTGCGCTCATCACCATATGTTCTTAC 1054
DB 549 GTTCATCATTTTACTGCGATAGTATGCTGTATCATCTGCGCTCATCACCATATGTTCTTAC 608
QY 1055 CATGCTGACCTCATGAGCTTCTCTCTAGCTCCACATGTTCTCATGAGCCAGATGACAT 1114
DB 609 CATGCTGACCTCATGAGCTTCTCTCTAGCTCCACATGTTCTCATGAGCCAGATGACAT 668
QY 1115 CAAGAGATGCGGCTCTCCGCGGACCGGACCATCCGCGAAGGGGCAACATGAGGG 1174
DB 669 TAAAGGATGCTGCTCTCCGCGGACCGGACCATCCGCGAAGGGGCAACATGAGGG 728
QY 1175 TGCCATTAATCTTGAACATCTATCATTTGGGGCTTTCGCTGCTGCTGCTGCTGCTGCTGCT 1234
DB 729 AGCGATTAATCTTGAACATCTATCATTTGGGGCTTTCGCTGCTGCTGCTGCTGCTGCTGCT 788
QY 1235 CCACTTAATTTCTAATCATCTCTGCTCCGAGATTCATCTGTGTCTCATGCTCA 1294
DB 789 CCACTTAATTTCTAATCATCTCTGCTCCGAGATTCATCTGTGTCTCATGCTCA 848
QY 1295 CTTTAATCTTGAACATCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 1354
DB 849 CTTTAATCTTGAATCATATCATATGATGATGATGATGATGATGATGATGATGATGATGATG 908
QY 1355 ACTCGGAGCCAGAGCTGAGGAAAACTTCAAGAGATCATCTGTGTCTCATGCTGCG 1414
DB 909 ACTCGGAGCCAGAGATCATATGATGATGATGATGATGATGATGATGATGATGATGATG 968
QY 1415 TGGCTTTTGTGACTTGTCTTACGAGATCTA 1444
DB 969 AGGCTTTTGTGACTTGTCTTACGAGATCTA 998

RESULT 10
US-10-305-720-1277
; Sequence 1277, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Sellhammer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 1277
; LENGTH: 999
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. US20040010136A1 g291977
US-10-305-720-1277
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Query Match 41.2%; Score 818.8; DB 16; Length 999;

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Best Local Similarity 89.2%; Pred. No. 3e-197;
Matches 883; Conservative 0; Mismatches 107; Indels 0; Gaps 0;

QY 455 CACCTTCAGACGAGATGACATCTTCTTCCACTTTTGGAAACGCGACCTACGAGCA 514
DB 9 CTTCAACCCACCGTGGATGACACTTCTTGCACCTCTGGAACCGGACGATTAACAGACT 68
QY 515 GCAAGGCAAGCCCACTAGTCCCTTGGCAAGGCTACCCGACGCGGGGATGCTACGAGCA 574
DB 69 GCAAGGCAAGCCCACTAGTCCCTTGGCAAGGCTACCTGATGAGAGGTGCTACGAGCA 128
QY 575 ACTTTTGTCTCCCGAGAGTGTCTGACTCTGGGGGCTATAAGCTTGTGAGAAAT 634
DB 129 ACTTTTGTCTCTCCGAGAGTGTGTGACTCTGGGGGCTATAGCTTGTGAGAAAT 188
QY 635 TCTGATGATGAGCAATACGAAAGAACAGAAATCTGCACTCAACCATCTTTTCAAT 694
DB 189 CTTAATGATTTGCAATATGCAAGAACAGAAATCTGCAATTCACCAATGATCTTTTCAAT 248
QY 695 CTGAGCTGAGCTGTGCGCATATGCTGTGAGCGCTTCCAGGGTCAAGACATCGT 754
DB 249 CTGAGCTGAGCTGTGCGCATATGCTGTGAGCGCTTCCAGGGTCAAGACATCTTAT 308
QY 755 CATCAACCTGTTGAAACAGTACGAGATACGACGCGAGAGTTTCAAGGTGAATATTTGATTA 814
DB 309 CATCAACCTGTTGAAACAGTACGAGATACGACGCGAGAGTTTCAAGGTGAATATTTGATTA 368
QY 815 TGTCAATGACCTGGGATCTGTAGTCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 874
DB 369 TGTCAATGACCTGGGATCTGTAGTCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 428
QY 875 TGCAGTGAACAGGATCTTACTATCTTTTATGCCCCCTCCAGATACATTAATCATATGACGAT 934
DB 429 TGCAGTGAACAGGATCTTACTATCTTTGATGCTCTCCAGATACATTAATCATATGACGAT 488
QY 935 GAGGGGGGTGGGATCATATCATATGTTGATCTGGGGGGCTTGACAGGTGTGACGATCTT 994
DB 489 TAAAGGGGTGGGATCATATCATATGTTGATCTGGGGGGCTTGACAGGTGTGACGATCTT 548
QY 995 GTTCATCATTTTACTGCGACAGTATGCTGTATCATCTGCGCTCATCACCATATGTTCTTAC 1054
DB 549 GTTCATCATTTTACTGCGATAGTATGCTGTATCATCTGCGCTCATCACCATATGTTCTTAC 608
QY 1055 CATGCTGACCTCATGAGCTTCTCTCTAGCTCCACATGTTCTCATGAGCCAGATGACAT 1114
DB 609 CATGCTGACCTCATGAGCTTCTCTCTAGCTCCACATGTTCTCATGAGCCAGATGACAT 668
QY 1115 CAAGAGATGCGGCTCTCCGCGGACCGGACCATCCGCGAAGGGGCAACATGAGGG 1174
DB 669 TAAAGGATGCTGCTCTCCGCGGACCGGACCATCCGCGAAGGGGCAACATGAGGG 728
QY 1175 TGCATTAATCTTGAACATCTTGTATGATGATGATGATGATGATGATGATGATGATGATG 1234
DB 729 AGCGATTAATCTTGAACATCTTGTATGATGATGATGATGATGATGATGATGATGATGATG 788
QY 1235 CCACTTAATTTCTAATCATCTCTGCTCCGAGATTCATCTGTGTCTCATGCTCA 1294
DB 789 CCACTTAATTTCTAATCATCTCTGCTCCGAGATTCATCTGTGTCTCATGCTCA 848
QY 1295 CTTTAATCTTGAACATCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 1354
DB 849 CTTTAATCTTGAATCATATCATATGATGATGATGATGATGATGATGATGATGATGATGATG 908
QY 1355 ACTCGGAGCCAGAGCTGAGGAAAACTTCAAGAGATCATCTGTGTCTCATGCTGCG 1414
DB 909 ACTCGGAGCCAGAGATCATATGATGATGATGATGATGATGATGATGATGATGATGATG 968
QY 1415 TGGCTTTTGTGACTTGTCTTACGAGATCTA 1444
DB 969 AGGCTTTTGTGACTTGTCTTACGAGATCTA 998
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RESULT 11

US-10-373-355-1
; Sequence 1, Application US/10373355
; Publication No. US20030166009A1
; GENERAL INFORMATION:
; APPLICANT: MacNeil, Douglas J.
; APPLICANT: Weinberg, David H.
; APPLICANT: Van der Ploeg, Leonardus H. T.
; TITLE OF INVENTION: DNA MOLECULES ENCODING THE MELANOCORTIN
; FILE REFERENCE: 20190P
; CURRENT APPLICATION NUMBER: US/10/373,355
; PRIOR FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: US/09/831,206
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: PCT/US99/25767
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,721
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1030
; TYPE: DNA
; ORGANISM: rhesus monkey (Macaca mulatta)
US-10-373-355-1

Query Match 41.2%; Score 817.6; DB 15; Length 1030;
Best Local Similarity 87.4%; Pred. No. 6.2e-197;
Matches 895; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

436 CTGTGTGAGAGTAACTCCACCCCTTGACGACGGAATGACACTTCTCTCCACTTGTGA 495
6 CTCGTGACAGATGTTGAACTCCACCCCGGGATGACGCTTCTGTGACCTGTGA 65
496 ACCGAGACCTTACGACGACGACGACGACGACGACGACGACGACGACGACGACG 555
66 ACCGAGAGGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 125
556 ACCGAGAGGATGTAGAGCACTTCTCTCCCGGAGGATGTGTGTGACTGTGGGGGTCA 615
126 ATGAGAGGTGTAGAGCACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 185
616 TAACTTGTGAGAGCACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 675
186 TCACTTGTGAGAGCACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 245
676 CACCACTGACTTTTCT 735
246 CACCACTGACTTTTCT 305
736 ACCGAGTACAGACATGCTCATCCCTGTGAACAGTACAGTACAGTACAGTACAGTAC 795
306 ATGATTCAGAAACATGCTCATCCCTGTGAACAGTACAGTACAGTACAGTACAGTAC 365
796 TCACTTGTGAGAGCACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 855
366 TCACTTGTGAGAGCACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 425
856 TTTGACAGCT 915
426 TTTGACAGCT 485
916 ACCATACTATGACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTACG 975
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976 GACAGGTGACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTAC 1035
546 GACAGGTGACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTACGAGTAC 605
1036 TCATCACCAGTCTTTCACAGTCTGAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1095
606 TCATCACCAGTCTTTCACAGTCTGAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 665

1096 TCATGCGCAGACTGACATCAAGAAATGCGCCCTCTCCGGGACCCGACCATCCGCC 1155
666 TGATGCGCAGACTGACATCAAGAAATGCGCCCTCTCCGGGACCCGACCATCCGCC 725
1156 AAGGCGCAACATGAAAGGGGCACTTACCTTGACCACTCATTTGGGGTCTGTGCTCT 1215
726 AAGGCGCAACATGAAAGGGGCACTTACCTTGACCACTCATTTGGGGTCTGTGCTCT 785
1216 GCTGGGCTCATTTCT 1275
786 GCTGGGCTCATTTCT 845
1276 GCTGGGCTCATTTCT 1335
846 GCTGGGCTCATTTCT 905
1336 TCGACCTCTCATTTTACGACTCCGGGACCAAGAGCGAAGAAACCTTCAAGAGATCA 1395
906 TCGACCTCTCATTTTACGACTCCGGGACCAAGAGCGAAGAAACCTTCAAGAGATCA 965
1396 TCTGTGCTATCT 1455
966 TCTGTGCTATCT 1025
1456 AGGA 1459
1026 AGCA 1029

RESULT 12
US-09-876-252-73
; Sequence 73, Application US/09876252
; Publication No. US20030018182A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Lehmann-Brulisma, Karin
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Lin, I-Lin
; APPLICANT: Dang, Huong T.
; APPLICANT: Chen, Ruoping
; TITLE OF INVENTION: Non-Biogenic Constititively Activated Human G Protein Coupled Rec
; FILE REFERENCE: AREN-0054
; CURRENT APPLICATION NUMBER: US/09/876,252
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 09/416,760
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/110,060
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,852
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/151,114
 PRIOR FILING DATE: 1999-08-27
 PRIOR APPLICATION NUMBER: 60/108,029
 PRIOR FILING DATE: 1998-11-12
 PRIOR APPLICATION NUMBER: 60/136,436
 PRIOR FILING DATE: 1999-05-28
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 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/156,555
 PRIOR FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: 60/156,634
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 PRIOR APPLICATION NUMBER: 60/157,294
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 PRIOR APPLICATION NUMBER: 60/157,281
 PRIOR FILING DATE: 1999-10-01
 PRIOR APPLICATION NUMBER: 60/157,282
 PRIOR FILING DATE: 1999-10-01
 PRIOR APPLICATION NUMBER: 60/156,633
 PRIOR FILING DATE: 1999-09-29
 NUMBER OF SEQ ID NOS: 146
 SOFTWARE: Patent version 3.0
 SEQ ID NO: 73
 LENGTH: 999
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-876-252-73

Query Match 41.2%; Score 817.2; DB 10; Length 999;
 Best Local Similarity 89.1%; Pred. No. 7.7e-197;
 Matches 882; Conservative 0; Mismatches 108; Indels 0; Gaps 0;
 Db 455 CACCTTCAGCAGGATGCACTTCTCTCACTTCTGGAACCGGACCTTACGACA 514
 9 CTCACCCACCGTGGATGACACCTTCTGCACTTCTGGAACCGGACCTTACGACT 68
 515 GCACGCGAAGCGCACTGAGTCCCTTGGCAAGGCTACCCGAGCGGGGATGCTACGACA 574
 69 GCACGCGAAGCGCACTGAGTCCCTTGGCAAGGCTACCTTGTATGAGGGTCTACGACA 128
 575 ACTCTTGTCTCCCCGAGGTGTTCTGTACTCTGGGGTCTAAAGCTTGTGAGAAAT 634
 129 ACTTTTGTCTCTCTGAGGTGTTTGTGACTCTGGGGTCTACAGCTTGTGAGAAAT 188
 635 TCTGTATGCTGCGCAATAGCGAAGAAATCTGCACTCACCCATGATCTTTTCAT 694
 189 CTGTGTATGCTGCGCAATAGCGAAGAAATCTGCACTCACCCATGATCTTTTCAT 248
 695 CTGAGCTGCTGCTGCGCAATAGCTGAGGCTTCCAAAGCGGTCTAGAGCAATCGT 754
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 755 CATCACCCTGTTGAACGATAGCGAAGCGCAAGGTTTCAAGGTGAATATGATAA 814
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 1175 TGCAATACCTGACCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1234
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 849 CTTTAACTTGTACTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 908
 1355 ACTCCGAGCAAGAGTGAAGAAACCTCAAGAGATCATCTGTTGCTATCCTGTGGG 1414
 909 ACTCCGAGCAAGAGTGAAGAAACCTCAAGAGATCATCTGTTGCTATCCTGTGGG 968
 1415 TGGCCTTGTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1444
 969 AGGCTTGTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 998

RESULT 13
 US-10-417-820A-73
 : Sequence 73, Application US/10417820A
 : Publication No. US20030229216A1
 : GENERAL INFORMATION:
 : APPLICANT: Chen, Ruoping
 : APPLICANT: Liaw, Chen W.
 : APPLICANT: Lowitz, Kevin
 : APPLICANT: Chalmers, Derek T.
 : APPLICANT: Behan, Dominic P.
 : TITLE OR INVENTION: Constitutively Activated Human G Protein Coupled
 : FILE REFERENCE: 7, US28, CON
 : CURRENT APPLICATION NUMBER: US/10/417, 820A
 : PRIOR FILING DATE: 2003-04-16
 : PRIOR APPLICATION NUMBER: 09/416,760
 : PRIOR FILING DATE: 1999-10-12
 : PRIOR APPLICATION NUMBER: 09/170,496
 : PRIOR FILING DATE: 1998-10-13
 : PRIOR APPLICATION NUMBER: 60/110,060
 : PRIOR FILING DATE: 1998-11-27
 : PRIOR APPLICATION NUMBER: 60/120,416
 : PRIOR FILING DATE: 1999-02-16
 : PRIOR APPLICATION NUMBER: 60/121,852
 : PRIOR FILING DATE: 1999-02-26
 : PRIOR APPLICATION NUMBER: 60/109,213
 : PRIOR FILING DATE: 1998-11-20
 : PRIOR APPLICATION NUMBER: 60/123,944
 : PRIOR FILING DATE: 1999-03-12
 : PRIOR APPLICATION NUMBER: 60/123,945
 : PRIOR FILING DATE: 1999-03-12

Query Match 41.0%; Score 814; DB 10; Length 999;
Best Local Similarity 88.9%; Pred. No. 5e-196;
Matches 880; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

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DB 9 CTCACACCCACCGTGGATGACACTTCTCTGCACTCTCGAACCAGACAGTTACAGACT 68
QY 515 GCAACGGAAGCCCACTAGTCCCTTGGCAAGGCTACCCGAGCGGGGATGCTACGACA 574
DB 69 GCACAGCAATGCCAGTAGTCCCTTGAAGAGGCTACTCTGATGAGGGTGTACGAGCA 128
QY 575 ACTCTGTCTCCCGGAGGTGTCTGACTCTGGGGGTCTAATAGCTTGTGAGAAAT 634
DB 129 ACTTTTGTCTCTCTGAGGTGTGTGACTCTGGGTGTCTACAGCTTTGGAGAAAT 188
QY 635 TCTGTGATGTGGCAATAGCCAAAGAACAGAAATCTGCACTCACCCATGTAATTTTCAT 694
DB 189 CTTAGTATGTGGCAATAGCCAAAGAACAGAAATCTGCACTCACCCATGTAATTTTCAT 248
QY 695 CTGTAGCTGTGGTGGCCGATAGCTGTGAGGGTTCCAAAGGGTCAAGAACATCGT 754
DB 249 CTGAGCTTGGCTGTGGCTGATAGCTGTGAGGGTTCATGATGATCAGAACCATTTAT 308
QY 755 CATCACCTGTGTAACAGTACGATACGACGCGCAGAGTTTCAGGTGAATTTGATTA 814
DB 309 CATCACCTGTGTAACAGTACGATACGATACGACGAGTTTCAGGTGAATTTGATTA 368
QY 815 TGTCAATGACTCGGTGATCTGTAGCTCTGTGCTGCTCGATTTGACAGCTGCTCAT 874
DB 369 TGTCAATGACTCGGTGATCTGTAGCTCTGTGCTGCTCGATTTGACAGCTGCTCAT 428
QY 875 TGCAGTGAACAGTACTTACTTACTTATGCCCCCTCAGTACATTAACATGACGGT 934
DB 429 TGCAGTGAACAGTACTTACTTACTTATGCCCCCTCAGTACATTAACATGACAGT 488
QY 935 GAGCGGGTTGGGATCATCATCATGATGAGCGGCTTGACAGGTGACAGCATCTT 994
DB 489 TAAAGCGGTTGGGATCATCATCATGATGAGCGGCTTGACAGGTGACAGCATCTT 548
QY 995 GTTCATCATTTACTCGGACAGTACTGCTGTATCATCTGCTCATCAACATGTTCTTCA 1054
DB 549 GTTCATCATTTACTCGGACAGTACTGCTGTATCATCTGCTCATCAACATGTTCTTCA 608
QY 1055 CATGCTGGCCCTCATGCTTCTCTTACGTCCACATGTTCTCATGSCCAGACTGCAT 1114
DB 609 CATGCTGGCCCTCATGCTTCTCTTACGTCCACATGTTCTCATGSCCAGACTGCAT 668
QY 1115 CAAGAGATGCGCGCTCCCGGAGCACCGGACCATCGGCAAGGGCAATGAAGGG 1174
DB 669 TAAAGAGATGCTCTCTCCCGGACACTGAGCCATCGGCAAGGGCAATGAAGGG 728
QY 1175 TGCCATTACCTTGAACCATCATGAGGCTTGTGCTGTGCTGAGGCTCCATTCTTCT 1234
DB 729 AAAAATTACCTTGAACCATCATGAGGCTTGTGCTGTGCTGAGGCTCCATTCTTCT 788
QY 1235 CCACTTGAATTTCTACATCTTGTGCCAGAAATCCATACGTGTGTGCTTCAATGCTCA 1294
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QY 1295 CTTTAACTTGAACCTCATCTGATCATGTGTAATCCATCATGACCCCTCATTTATGC 1354
DB 849 CTTTAACTTGAATCTCATCTGATCATGTGTAATCCATCATGACCCCTCATTTATGC 908
QY 1355 ACTCGGAGCCAGAGCTGAGAAACCTTCAAGAGATCATCTGTGTCTATCTCTGGG 1414
DB 909 ACTCGGAGCTCAAGAACTGAGAAACCTTCAAGAGATCATCTGTGTCTATCTCCCTGGG 968
QY 1415 TGGCTTTGTGACTTGTCTAGCAATACTA 1444
DB 969 AGGCTTTGTGACTTGTCTAGCAATACTA 998
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Job time 4.717 secs

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97.2% identity in 248 aa overlap

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			10	20	30	
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	170	180	190	200	210	220
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	230	240	250	260	270	280
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	290	300	310	320	330	
human.pep	HFNLYLILIMCNSIIDPLIYALRSQELRKTFKEIICCYPLGGLCDLSSRY					
mc4r-allele2	HFNLYLILIMCNSIINPLIYALRSQELRKTFKEIICCY					
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! Post-scan processing: 0:00:00.1
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